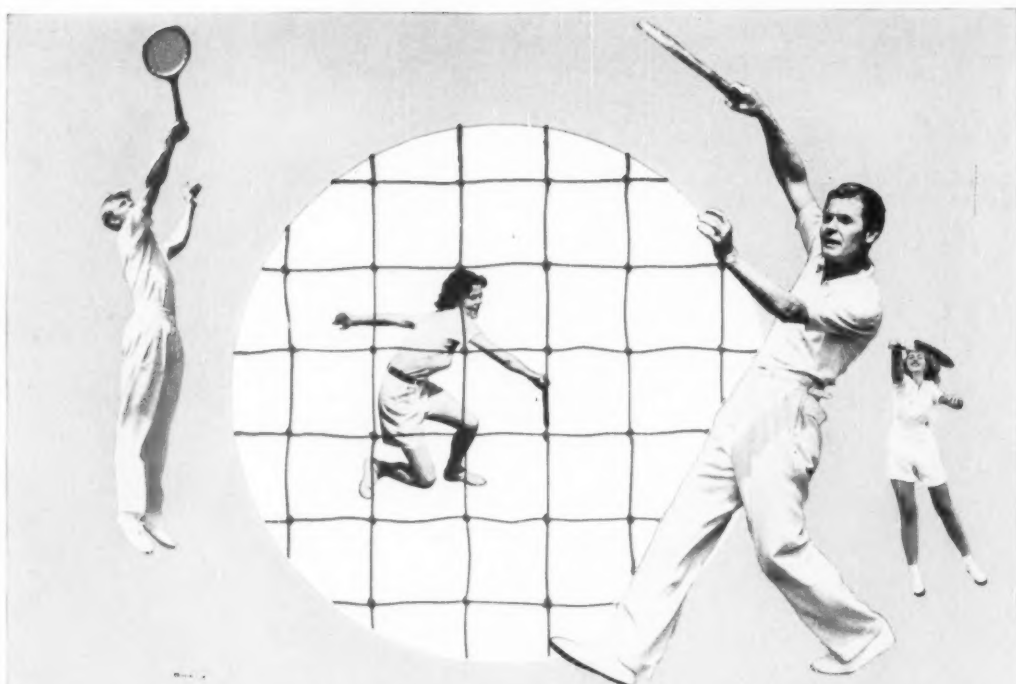


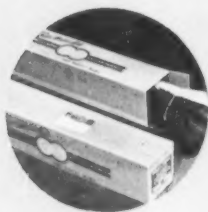
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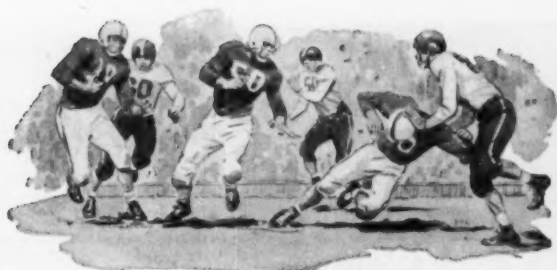
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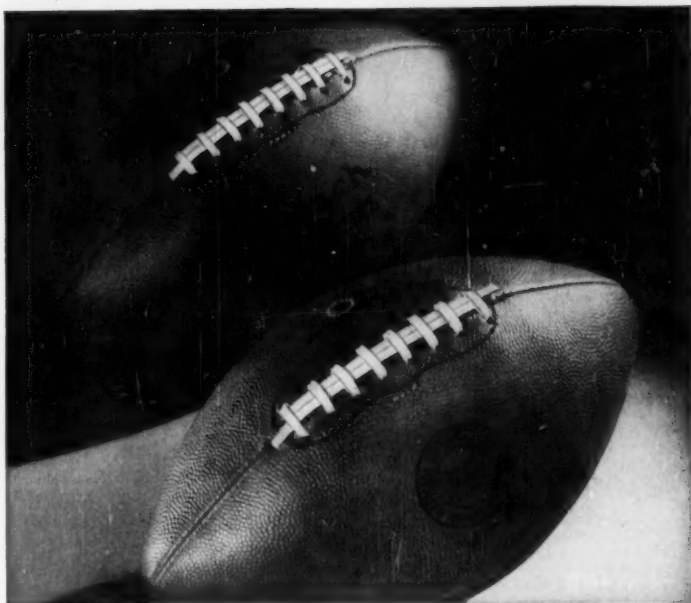


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VOLUME 20 • NUMBER 9 • MAY

## IN THIS ISSUE

HERE BELOW ( <i>State Football Champions</i> )	5
SIX-MAN SHORT PUNT PATTERNS by <i>Marvin Parr</i>	7
THE SIXTH INFIELDER by <i>Jerry Damren</i>	9
BACKING UP THE LINE by <i>Johnnie Golden</i>	11
"MY NO. 1 WOOD SHOT" by <i>Patty Berg</i>	13
PROGRESS IN HURDLING by <i>John Marzucco</i>	14
TENNIS TOWN, USA by <i>Lendon L. Scott</i>	18
SWIM AWAY THE FIRST DAY by <i>V. B. Hickey and Marya Welch</i>	20
COACHES' CORNER	30
NEW BOOKS ON THE SPORT SHELF	36
PICK YOUR COACH AND COACHING SCHOOL	42
COACHING SCHOOL DIRECTORY	43

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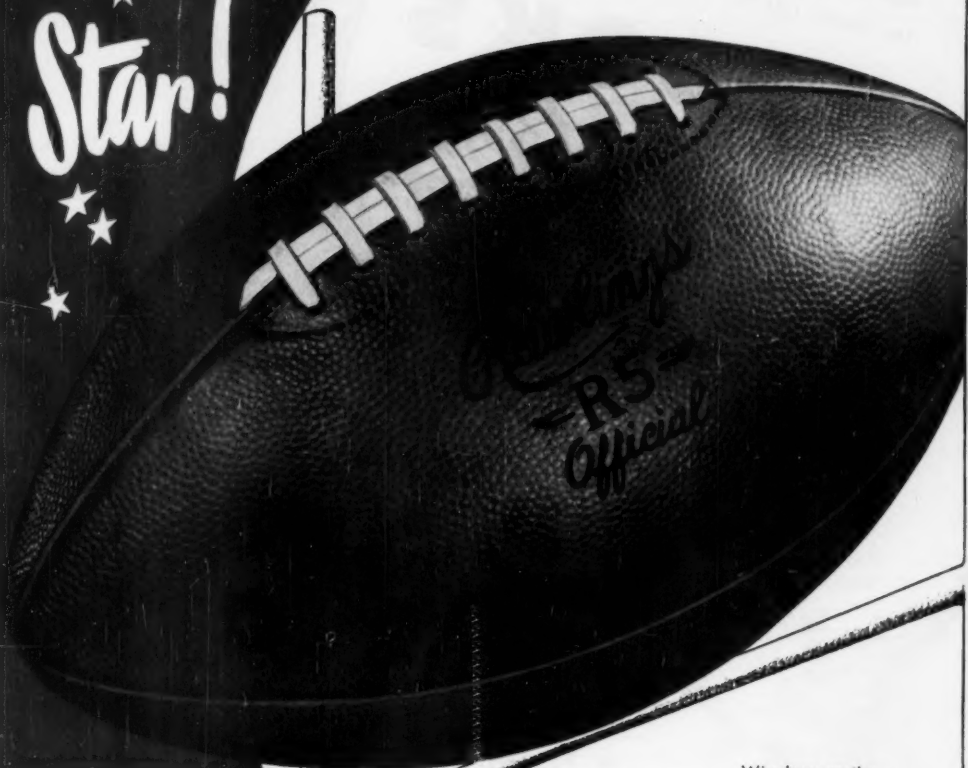
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# State football champions

**A**LL you high school football coaches should get a big boot out of our special attraction this month—the round-up of state high school football champions, starting in the middle of the next column.

As far as we know, this is the first such tabulation ever to see print. And it is indeed a beauty. It cites (a) the 1950 champions—official or otherwise—in every state in the union, (b) the names of most of the winning coaches, (c) the outstanding players, and (d) some of the outstanding feats.

The summary is particularly significant in that it reveals a decided trend towards championship play-offs. Whereas only 14 states were determining grid diadems three seasons ago, today nearly half our states—21, to be exact—are sponsoring titular play.

Following are some of the highlights culled from the round-up:

- Delaware: Ronnie Waller, Laurel quarterback, established a new state scoring mark of 213 points in eight games.

- Mississippi: Jackson, a single-wing powerhouse, rolled to 11 straight wins. Perhaps the greatest team ever developed in the state it averaged 49 points per game while limiting its rivals to less than 5.

- Montana: Though Kalispell beat Butte in the finals, the losers' all-stater, Jack Kyllingstad, electrified the crowd by running 60 and 8 yards for td's and reeling off non-scoring runs of 47, 46, 45, 29, and 21 yards.

- New Jersey: Johnny Giantonio, 137-pound Netcong sophomore, racked up 246 points in 8 games for a new schoolboy record.

- Texas: Ed Bernet, 185-pound end from Highland Park (the school which produced Doak Walker), was voted the state's outstanding schoolboy player. Next season the Class AA schools of Houston, Dallas, Fort

Worth, and San Antonio will be combined into a super-conference labelled Class AAAA.

- Utah: Eldon Marshall, perhaps the finest back in the state, tallied four times, including runs of 77 and 71 yards, in Fillmore's 51-13 route of Moab for the Class B crown.

- Vermont: Though a guard, Joseph Siniuk of Brattleboro had the unusual honor of polling the greatest number of all-state votes.
- West Virginia: End Bill Crouser of Parkersburg had a field day in the final against Oak Hill, tallying three times on a 14-yard end-around, a 46-yard pass, and an 83-yard fake punt.

- Wisconsin: Kenosha rolled up 316 points in 7 league games.

## ALABAMA

No official state championship is awarded, but Etowah County of Attala, coached by Jim Grover, was awarded the mythical title by the *Alabama Journal* after receiving 103 votes in a writers' poll. Etowah, unbeaten in 10 games, was followed by Phillips High of Birmingham with 97 votes and Lanier of Montgomery with 90. Phillips had an unmarred record, Lanier was tied once. All three leaders were powered by all-state backs: Wyman Townsel of Etowah, Bobby Duke of Phillips, and Don Abernathy of Lanier. Atmore, Valley of Fairfax, Florala, Alexandria, and Prattville were other unbeaten elevens which were ranked high.

## ARIZONA

Led by three time all-state guard, Glenn Bowers, Mesa captured the Class A championship of the state. Fullback Don Beasley and end John Allen were other Jackrabbits who played a large part in Coach Edgar Ford's unbeaten, once-tied season. While no championship is awarded in Class B, Casa Grande, Douglas, and Jerome were unbeaten claimants. T. E. (Shanty) Hogan of Casa Grande was voted coach of the year in this group.

## ARKANSAS

Championships are awarded in four groups, three by elimination tournaments. Little Rock (Coach Wilson Matthews) went unbeaten in the Big Six round-robin to nail down the large school crown. Blytheville (Russell Mosely) came from behind to defeat Camden, 19-14, for the Class AA title with Charley Lutes, halfback, scoring all its touchdowns. Other results: Class A final: Wynne 32, Siloam Springs 7; Class B: Rison 34, Atkins 12. Blytheville's record of 12 straight wins was outstanding. Little Rock dropped games to Texarkana, Texas, and Paducah, Ky.

## CALIFORNIA

No state crown is awarded but some sectional championships are decided. Merced, voted the outstanding team in North California by the *San Francisco Chronicle*, downed mighty Bakersfield, 20-13, after trailing 13-0. Coach Ernie Busch had a splendid player in Duane Melcher who played halfback on offense and left end on defense. Compton High repeated as Southern C.I.F. champion by 26-14 over Fullerton after a 10-team elimination. Ralph Kubota, 137-pound halfback, paced the Tarbabs. Coach Harry Edelson's Fremont High team repeated as Los Angeles City champ by trimming Canoga Park, 20-6, in the finals, while San Dieguito and Santa Paula won their respective small-school championships in the South. Northern schools which were outstanding but did not participate in play-offs included Palo Alto (10-0), Vallejo (8-1), Berkeley (7-2), Woodland (8-1-1) and Sacramento (8-2-0).

## COLORADO

Fort Collins avenged a 1949 East Denver triumph by defeating the defending Class AA champions, 14-6, in the play-off. The new champs downed Grand Junction in one semifinal, while East was beating Colorado Springs. Unsung halfback, Jim Kibler, scored on a 32-yard pass and 15-yard end run for  
(Continued on page 24)

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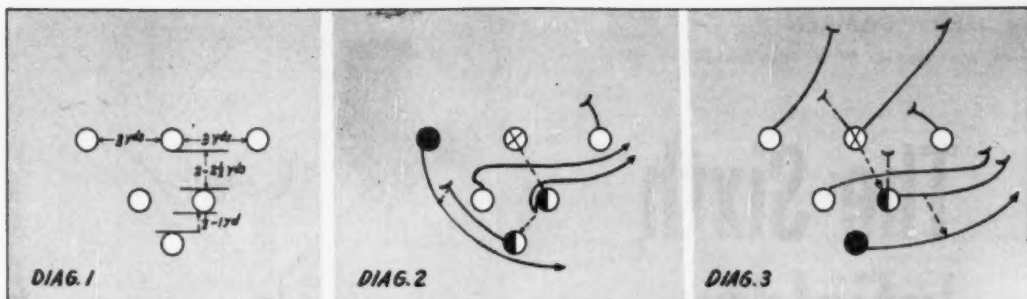
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## Six-Man Short Punt Patterns

By MARVIN PARR, Coach, Pine Bush (N. Y.) High School

**AFTER** much deliberation and experimentation with various six-man formations, including the T, single and double wing, short and deep punt, and spreads, we here at Pine Bush decided that the short punt was the formation for us.

We're firmly convinced that it offers the greatest deception, greatest striking power, greatest number of variations, and best blocking angles for six-man ball.

Contrary to popular belief, we do not believe that the T inculcates greater deception. Even with a big heavy line, the six-man game is a wide open affair; and putting the ball-handler close to the line involves considerable risk.

That was our chief objection to the T. Another stemmed from the fact that in six-man, deception cannot take place until after the clear pass—which practically eliminates the value of the T quarterback.

We ultimately decided to position our halfbacks from 2 to 2½ yards behind the scrimmage line with their feet just off those of the center, as shown in **Diag. 1**.

Our tailback was placed from ½ to 1 yard farther back, directly behind the center. Being in ideal position for the clear pass, he thus became our most deceptive agent.

We used both a split and a tight offensive line, with the set-up being determined by our center after a check of the defensive pattern. By spending a lot of time on quick starts, we greatly improved our rushing attack inside the ends and up the middle.

We also found that by bringing our halfbacks closer to the line, we could set up better blocking angles for them on the defensive linemen, thereby releasing our own linemen for more downfield blocking.

We kept the defensive halfbacks honest by employing a reverse pattern (**Diag. 2**), which gave us the same offensive punch with our halfbacks as in either the single or double wing.

We had our right half receive the ball on almost every play. In addition to being able to pass and receive, the right half was an excellent blocker. This enabled us to split the defensive concentration with regard

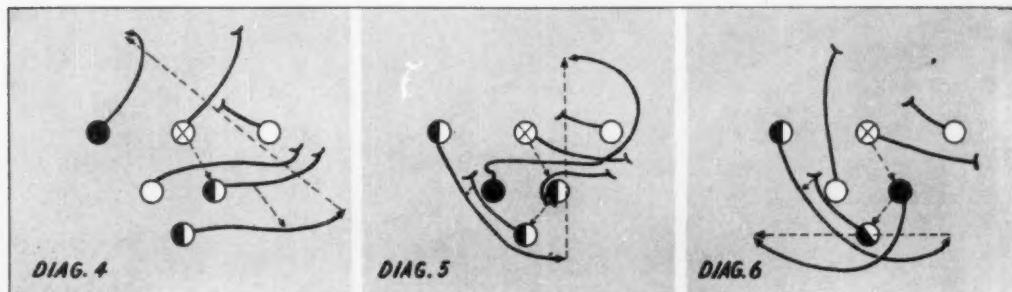
to both the right half and the tailback. And to take care of changing defensive assignments, we gave our right half alternate assignments on many plays.

During the season our right half tallied 8 touchdowns by rushing, scored another 3 on pass receptions, and passed for 5 more. This position represented our second most effective scoring threat. Our tailback furnished the No. 1 threat. Besides assuming the major portion of the passing and running, he also did the punting.

One of our most potent scoring plays was a pass variation from a basic running pattern. A simple yet effective scheme, it is illustrated in **Diags. 3 and 4**.

We always threw the pass long to allow the passer to cover the zone against possible interceptions. The key to the play revolved around the tailback's deception in carrying the ball and the left end's split-timed release block on the defensive right half.

We sequenced the reverse pattern illustrated in **Diag. 1** with a reverse (*Concluded on page 35*)





By JERRY DAMREN

Coach, West Lebanon (N. H.) High School

# The Sixth Infielder

ONE of the most impressive things about the big league pitcher is the cool, deliberate, and methodical manner in which he goes about the business of mowing down the batters and winning ball games. All this poise and skill is not a rare blessing from heaven. It is the end product of years of hard work by player and coach alike.

The high school coach is seldom blessed with such material. He gets his "timber" in its greenest form, and it is his duty to lay the groundwork and inculcate the fundamentals into the mind and body of the youngsters.

This, to put it mildly, is tough. He must teach the boy how to stand on the mound, how to wind up, pitch, curve the ball, change up, study the batters, pick off runners, and all the ramifications connected with each of these fundamentals.

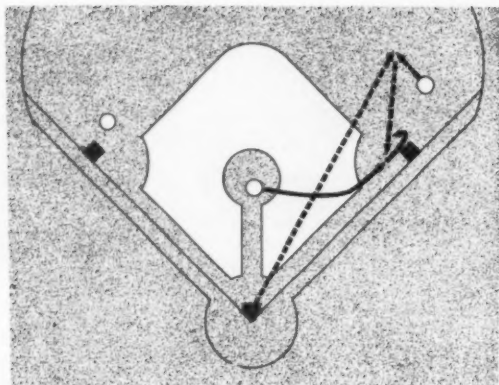
Many coaches, pressed for time,

tend to forget that pitching also calls for something else—something more than merely throwing the ball across the plate.

To be successful, the hurler must also be a creditable fielder. Such so-called "little" things as throwing to the right base, covering bases, backing up a base, fielding a bunt, etc., sometimes spell the difference between winning and losing.

The pitcher should always be considered a sixth infielder. And as an infielder, his first duty is to THINK. Before delivering the ball, he should always study the situation and decide what to do with the ball if it is hit to him.

To facilitate his fielding, he should perfect a delivery that will always put him on balance at the completion of his pitch. The ideal follow-through is a position in which both feet are parallel and facing directly towards the plate, with the weight evenly distributed.



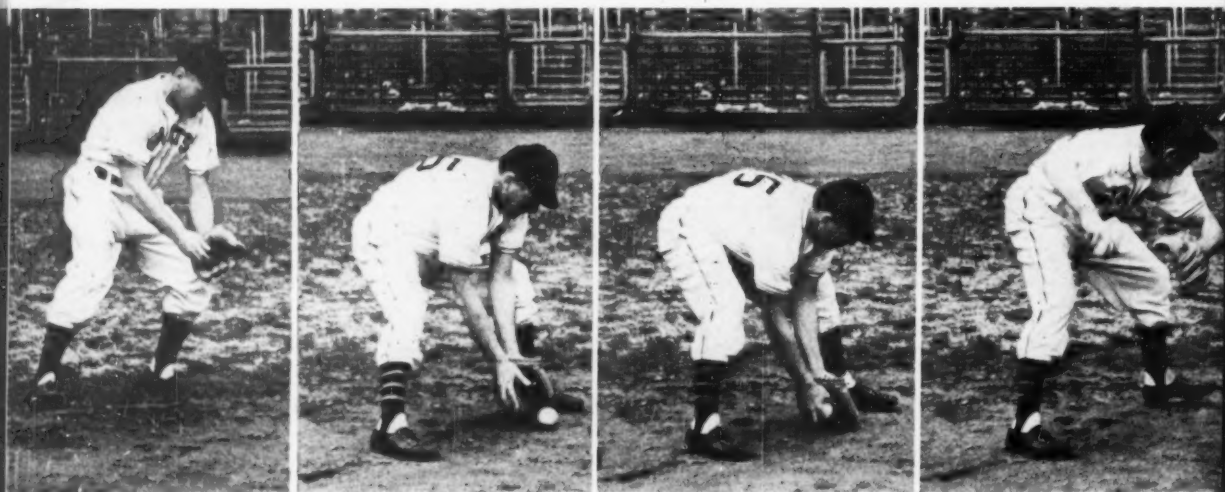
Correct way for pitcher to cover first base.

If these principles are adhered to, the pitcher will always be ready to charge straight in or shift right or left to field any bunt or topped pitch, and to protect himself against any smash through the box.

Any ball that cannot be handled by the catcher, third baseman, or first baseman should ordinarily be fielded by the pitcher. He should always be alert and ready to field any ball within reach, except an infield fly. He should leave these to the nearest infielder, unless the ball is hit directly to him while he's in his follow-through position. A loafing pitcher will be a losing pitcher.

Pepper games and simulated bunt situations are good practice devices with which to improve the pitcher's technique in handling ground balls.

Now that we have the pitcher fielding the ball, what is he to do with it? At this juncture, he must be all ears. Though he may have the



situation all charted in his mind, the smart pitcher will listen to his catcher for instructions.

This makes sense, inasmuch as the pitcher has his back to most of the fielding plays in which he participates, while the catcher is always facing the diamond. In these circumstances, the latter should always serve as the field general.

When the odds are in his favor, the pitcher should always make an effort to cut down the lead runner—unless, of course, there are two out, in which case he should make the surest and easiest play.

One rule a pitcher should closely observe is covering first on any ball hit to his left. If the first baseman can handle the play himself, he will motion the pitcher away and the pitcher's duty will be done.

If the pitcher is forced to cover the bag, he should do it in this fashion: Run towards the first-base line; then, upon reaching a point about 10 feet from the bag, turn up and run parallel to the line.

The ideal time to get the throw is about two steps before hitting the bag. If the throw is delivered properly, the right-handed pitcher can hit the inside corner of the bag with his right foot, stop, and pivot back towards the diamond to watch the runners.

The left-handed pitcher makes the play in the same fashion, except that he hits the bag with his left foot. This method of covering the bag reduces the danger of colliding with the runner and at the same time enables the pitcher to prevent other runners from taking an extra base. The good fielding pitcher will never run across the bag.

With a runner on third base, the

pitcher should be on the alert for a dropped or passed ball by the catcher. The runner is likely to break for the plate, and it is the duty of the pitcher to cover and make the tag if possible.

When covering home on these plays, the pitcher should be careful not to block the plate. He should straddle the plate to avoid flying spikes, and should tag the runner with the ball held in both hands to avoid having it jarred out of his grasp.

On hits, especially with runners on base, the pitcher must assume definite responsibilities. The alert pitcher will always back up the bag to which the throw is coming. He should deploy about 30 to 45 feet behind the base in line with the oncoming throw. Thus, in case of an error or overthrow, he can help keep the runners from scoring.

On a fly to the outfield, with a runner on either second or third, the pitcher should always back up the base to which the runner might advance.

With a runner on first, the pitcher

## FIELDING A GROUNDER

Hal Schumacher, famous ex-Giant hurler, offers a perfect demonstration of how to field a bunt. He comes over the ball in ideal fielding position, with his legs well spread and braced, and keeps his eye on the ball all the way into the glove. He scoops it up with both hands and, since the play is close, throws right from his crouch. Faults to avoid: Not going down far the ball, picking it up with one hand, throwing while off balance.

should be particularly alert for a base hit to the outfield. In this contingency, he should always assume the responsibility of backing up third.

When a runner is attempting to score on a hit to the outfield, the pitcher should line up with the throw to the plate, so that he may cut off poor or late throws.

The catcher instructs the pitcher in this situation. If the catcher thinks that the throw can beat the runner, he hollers "Let it go!" and the pitcher steps aside. If no play on the runner can be made, the catcher yells "Take it!" The pitcher then fields the throw and tries to stop the batter from taking the extra base.

These situations call for good teamwork between the batterymen. In addition, the smart pitcher will familiarize himself with the throwing arms of his outfielders. A good knowledge of their respective throwing strength can be of vital importance in situations calling for quick judgment.

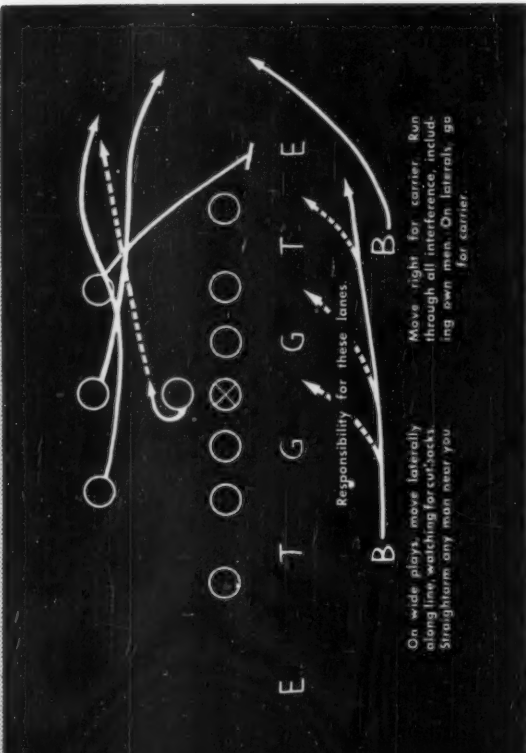
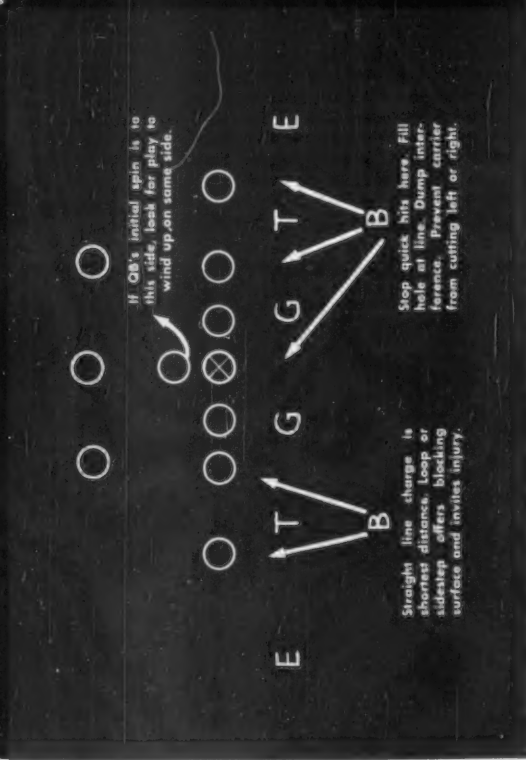
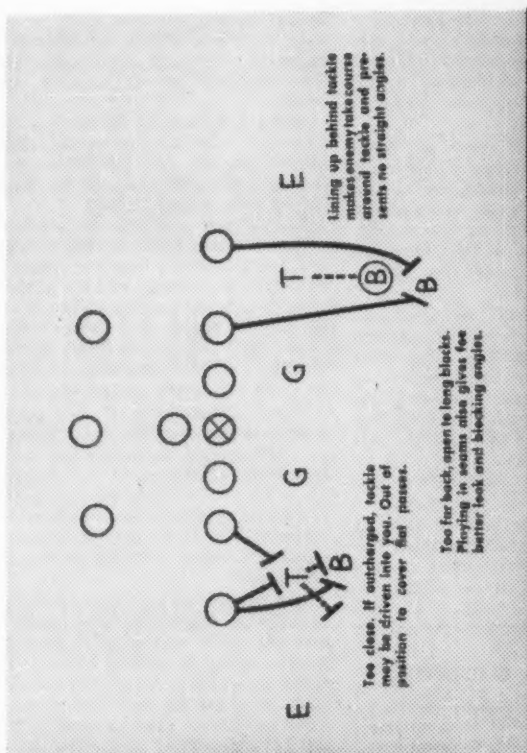
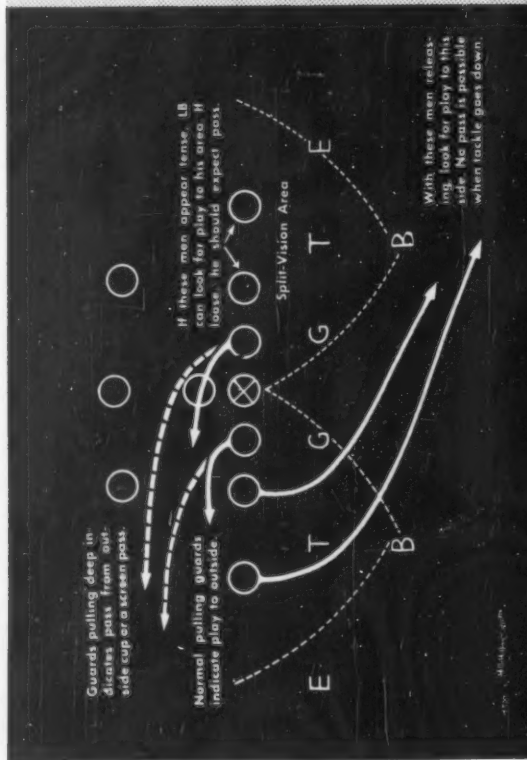
The pitcher should also be alert to cover any bag left open by a baseman, especially with runners aboard. Another duty is to help run down hung-up runners. The pitcher should lend what aid he can, but should move out of the play as soon as he can advantageously do so. The danger of being spiked or otherwise injured makes this a precarious situation for a man as vital as the pitcher.

In all ground-ball situations in which the pitcher is involved, the speed of the ball often determines the play. When in doubt, the pitcher should listen to his catcher for instructions.

(Concluded on page 34)

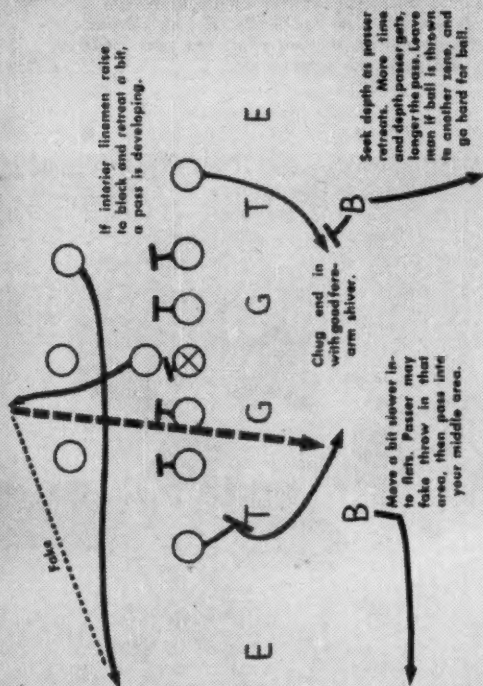
EXCLUSIVE SCHUMACHER COACH PHOTOS





# Backing Up the Line

By **JOHNNIE GOLDEN**  
Coach, Gilroy (Cal.) Union High School



**B**ACKING up the line is the toughest job in football. Though vulnerable from every angle, the linebacker is expected to throttle the running attack and protect against passes. He is a key figure in every play, and the pressure on him is unrelenting.

With so much responsibility invested in the position, you would think that a great deal of coaching attention would be lavished on it. Yet with the exception of the bigger colleges and the pros, where assistants are numerous, most linebackers are left to shift for themselves.

Several reasons for this neglect might be offered:

1. The various 5-3, 6-3, and 5-4 lines distribute the responsibility

more equally, thus eliminating complete dependence on one or two good boys.

2. Many coaches feel their linebackers are so rough, tough, and aggressive, that they will master the art by themselves.

3. Modern football has become an all-out offensive game, predicated more on the idea of outscoring the opponents than preventing them from scoring.

As a result, the defense is often left to shift for itself.

This approach to the game may pay off, where you have the offensive threats. If you don't, you have but one recourse—to keep the score down. This calls for defensive measures, with stress on linebacking.

Now for a few tricks of the trade. The first thing to remember is that a good linebacker will commit himself only after the offense has telegraphed its movement. Here are some concrete suggestions to pass on to your backers-up.

*Against a running play*, don't get caught in the web. Play about two or two and a half yards behind the line. Anything deeper exposes you to longer blocks and better blocking angles. Anything closer prevents you from covering well on passes and also exposes you to the danger of being handcuffed by linemen driven back into your body.

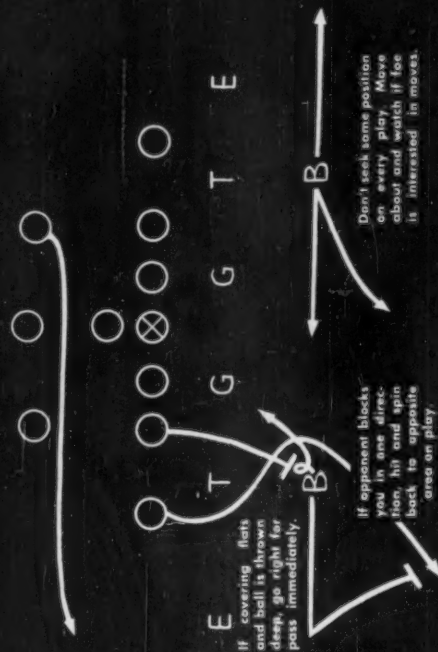
*Defense against the quick hit into the line*. Remember that slow developing power is worthless; an ex-

plosive charge is necessary. Therefore, fill the hole fast. Come in low, hard, and square. This reduces your blocking surface and gives your teammates more room to assist you on the play. It also fills the hole so that the carrier can't cut right or left.

If interferers move into the hole, cut them down at that spot. They will thus become hazards to their own attack. Tackle them as you would the ball-carrier and dump them into the play.

This low style will force the opponent into using a lower block to reach you, consequently lowering his own body. This affords you a better chance to straight-arm him.

(Continued on page 38)







1



2



3

**NO. 1:** Backswing about three-fourths of way up. Wrists are breaking gradually and left ankle is rolling towards right foot, with hips and shoulders turning.

**NO. 2:** Top of backswing. Note that left knee and left foot have rolled to inside, with left heel coming off turf. Weight has shifted to right leg, left arm is fairly straight, and left shoulder is almost directly under chin with back almost turned to objective.

**NO. 3:** Swing now is in hitting area, with wrists and hands uncocking to add power to blow. Right elbow is close to side, and left hand and arm are in control.

**NO. 4:** Club has just made contact with ball and you can note right leg shoving power into shot. Left shoulder has come up and right arm has straightened.

**NO. 5:** Start of follow-through. Right arm now is fully extended, right side is relaxed, and most of weight is on left foot with right shoulder underneath chin. Do not collapse wrists at this point, or you will slice.

**NO. 6:** Nearing completion of follow-through. Weight is mostly on left foot with right completely relaxed. Elevated position of hands indicate that no effort has been made to stop club until swing has reached top.

4



5



6





# "My No. 1 Wood Shot"

By **PATTY BERG**

Consultant, Wilson Sporting Goods Co.

**T**HE swing is the most vital factor in learning to play golf. Nearly every pro possesses a definite swing pattern which he feels is suitable for him and which produces the best results.

First comes the address, which is the foundation of the swing. Standing fairly erect, place the weight evenly over the feet. Let the arms hang down from the shoulders freely with enough clearance to assure a free sweep of the arms and hands.

Position the head slightly behind the clubhead, bend slightly at the waist, and flex the knees to assure a feeling of ease.

Insofar as stance is concerned, any one of the three popular types may be used—square, open, or closed.

In the square stance, the feet are placed squarely on the line of flight—designated by the club on the ground (see illustration)—with the toes turned slightly outward and the weight evenly distributed.

In the open stance, the left foot is drawn back from the line of flight and the body is turned slightly towards the left. This stance is used when an intentional slice or fade is desired.

In the closed stance, the right foot is drawn back from the line of flight. This stance is employed when a hook is desired.

Personally, I place my feet about shoulder-width apart and usually point my toes outward a little, playing the ball off the left heel.

The club is held with an overlapping grip; that is, with the small finger of the right hand overlapping the index finger of the left. Make sure the V's formed by the thumbs and index fingers of both hands point towards the right shoulder, and grip the club firmly but not tightly.

Before starting the swing, it is advisable to loosen up by wagging the club a couple of times, but avoid too many waggles. From the waggle,

go into the forward press and then continue into the backswing.

The clubhead, hands, and shoulders must start in one motion in order to assure good timing. Keep the clubhead close to the ground; do not pick it up—swing it. The wrists should remain in the same position as at the address.

As you bring the clubhead back, also start turning the hips to the right and shift the weight to the right leg. If you swing the club back properly (rather than lift it back), the wrists will begin cocking when the hands reach waist level and will continue to cock gradually as the swing progresses to the top.

As the club is taken back, the left knee should bend in towards the right knee and the left foot should roll to the inside, with the left heel coming off the ground slightly to aid in the smoothness of the swing.

The weight shifts to the right leg with a slight lateral movement of the hips. The right leg and head do not move. They remain in the same position as at the address.

At the top of the swing, the wrists should be fully cocked, the hands underneath the shaft, and the club pointing towards the objective. The left arm is fairly straight and the shoulder is underneath the chin.

Also make sure (at the top of the swing) that the last three fingers of the left hand are holding the club firmly. Many golfers have a bad habit of loosening the grip at the top of the swing. This should be avoided. Make the entire backswing deliberate, not hurried or jerky.

In starting the downswing, first turn the left hip to the left and shift the weight laterally to the left foot, returning the left heel to the turf. The turning of the hips to the left brings the hands and club down to about the hitting area. But the wrists must remain cocked, as they were at the top of the swing.

(Concluded on page 34)



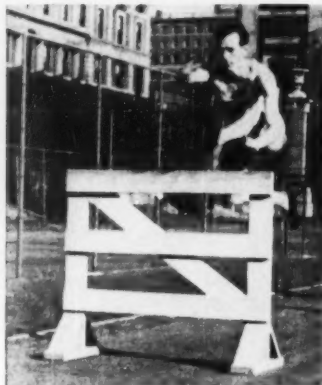
## The modern safety hurdle . . . and the old wooden menace

By **JOHN MARZUCCO**

Coach, Lower Merion H.S.,  
Ardmore, Pa.



This modern aluminum spill-proof hurdle takes the hazard out of the event, eliminating dangerous heel or ankle injuries.



This old-fashioned rigid wooden "fence" represented a menace to life and limb, causing many spills and severe injuries.

# Progress in Hurdling

**S**INCE the origination of the national track championship in 1876 and the eventual revival of the Olympic Games in 1896, tremendous strides have been taken in the hurdling events. In fact, more progress has been made in hurdling form and equipment than in any other track event.

In 1896 we produced our first Olympic champion, H. Williams, of Yale, who created a world's record of 15.8 seconds for the 120-yards high hurdles. Time certainly hurdles on! Today that timing would be lucky to win a schoolboy meet. In 1950, for example, our high school hurdlers amassed an average time of 15.2, while Dick Attlesley lowered the world standard to 13.5.

What are the factors largely responsible for this tremendous improvement and can we look forward to still more progress? Assuming that we understand all the contributing factors to date, future improvement can be attained by an improved physical specimen, by improved equipment, and by form experimentation.

An historical analysis of hurdling performance shows successive eras of: (1) timber topping, (2) T-type hurdling, (3) L-type hurdling, and (4) rocker hurdling.

The timber topper was usually built like a "lumberjack." A big, strong, thick-ankled athlete with very little speed, he had to be tough to survive the jousts with a barrier made of criss-cross lumber weighing 30 to 40 pounds.

The primitive hurdler, wearing field shoes, would approach the wooden "fence" with his body

slightly bent forward. He would take off by shooting his lead leg off to one side and spreading both arms like a bird in flight. Tucking his follow leg under his body for protection, he would "fly through the air with the greatest of ease."

The wooden fence proved so menacing that you could forgive him for making sure to clear the barrier with plenty of daylight.

The introduction of the lightweight T-type hurdle ushered in a new era. However, this new, innocent-looking barrier was just as dangerous as the original. It was a mousetrap. If the hurdle was not faced properly, the athlete, upon striking it, would cause the gate to spin around and trap the follow leg. Down he would go with possible serious injury.

Even if this rigid hurdle was properly faced, contact with it would cause the top bar to rise three inches, since the turning point was 12 inches from the base of the hurdle frame. Thus, the athlete's follow leg would have to clear an additional three inches or it was another spill.

This meek-looking obstacle with all its traps lured the tall, lightweight athlete to the event. He discarded the field shoes of his predecessor for sprint shoes, developed a near perfect form, and went on to create all kinds of records.

During this period, a few average sized sprinters were induced to try this new easy hurdle. I was one at Penn State. Not being very tall, I concentrated on the lows, using eight normal relaxed sprinting strides between the obstacles.

In a dual track meet with Syra-

cuse, I was off to a good start and on the way to good time when I tipped the last hurdle with my lead foot, raising the bar. The bar trapped my follow knee and down I went. This mishap caused us to lose the meet by a few points, the first dual-meet defeat suffered by our coach, Nate Cartmell, in five years.

Despite the threatening structure of the T-type or tumble hurdle and the mental hazard involved in clearance, progress was made in hurdling form and performance, with 14-second timings more and more frequent. The technical points that the coaches stressed in the early 30's are still practiced today with slight variations.

The AAU saw fit to replace the model T-type hurdle with the L-type hurdle, necessitating new rules: "The hurdle shall be of such weight (22.2 lbs.) and balance as to require an over-turning force of at least eight pounds." The disqualification rule no longer applied to this L-type hurdle.

After this new AAU rule went into effect, the National Federation in addition recommended lowering the high hurdle height for schoolboys to 39 inches and shortening the distance between the low hurdles from 20 to 18 yards.

These changes were partially accepted by the school coaches throughout the country, and schools immediately reduced the height of their T-type hurdles. Some went so far as to make L-type hurdles in their wood shops. But one thing which was and still is ignored, is the weight provision. Most high schools and

(Continued on page 16)

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some colleges still use the T-type hurdle without any weight provisions.

With these new hurdle standards, the sprinter type of athlete was induced to hurdle. And he has come through with some remarkable performances, such as 14 seconds in the 120-yards high hurdles and 22.1 in the low hurdles. But the schoolboy hurdler, regardless of his performance, is headed for trouble as he advances to college. He must adjust his sprinter's stride to seven steps in the low hurdle race, while in the high hurdle race he is presented with two problems. First, there is the matter of the three additional inches (42-inch hurdles instead of 39-inch hurdles); and second, there is the eight-pound resistance which he rarely experienced in school hurdles.

The shock to his confidence may be great, and sometime during his freshman or sophomore years, he may pick up a few cinders the hard way.

The college coach understands the problem confronting his new hurdlers and usually does something about it. He induces his athletes to hurdle on the grass, to use heel sponges and ankle pads, and to hurdle over invented contraptions. But all these hurdling aids do not embody competitive elements, so that there is little carry-over value to actual competition. So we still have spills.

Both Dick Attlesley and Harrison Dillard, the world's greatest hurdlers, experienced some very vicious falls. For Dick Attlesley it meant almost two years of inactivity, as far as hurdling was concerned. For Harrison Dillard it meant not making the 1948 Olympic Team in his favorite event, the 120-yard high hurdles.

With the aluminum spill-proof rocker hurdle, spills are now a thing of the past. This hurdle is now being used by many colleges, prep schools, and high schools throughout the country. By eliminating fear, it should produce further progress in performance. And with refinement in form and with bigger and faster athletes coming along, we can look forward to that 13-second flat timing. The athlete who does it may well combine the virtues of Attlesley and Dillard (see table).

A high school coach can do much to start such a hurdler on to world fame. For the past few years, I have searched high and low for a "Mel Patton" hurdler, loose of hip with the proper mental attitude.

Several years ago, a tall rangy boy with tremendous speed and loose hips came out for track at Lower Merion. I tactfully broached

### ATTLESEY-DILLARD COMPARISON

	Attlesley	Dillard
Height	6-3½	5-10
Weight	200 lbs.	154 lbs.
Time for 100	10 sec.	9.5 sec.
Start used	Medium	Modified bunch
Hurdle leap	11' 6"	13'
Clearance time	.17 sec. for 11½'	.23 sec. for 13'

**Form (Attlesley):** Does not touch heel to ground on take-off. Takes off with lead leg fairly straight. When lead leg is 12" from hurdle, vicious cut down is started which straightens body into running position. Leg is snapped downward.

**Form (Dillard):** Touches heel to ground on take-off. Takes off with lead leg slightly bent in relaxed position. Starts trail leg snap earlier, preferring it to quick snap of lead leg. Brings trail leg down faster which, in turn, brings lead leg down fast.

the subject of hurdling. The boy's answer was a quiet but definite "No." I spoke to his father, but he too was adamant. "I don't want my boy to tangle up in those things."

This spring as a senior this 17-year-old athlete is a potential state champion in the 100, 220, and broad jump. He has shown interest in the new spill-proof rocker hurdle, but a little too late for high school hurdling.

All of us will agree that as the obstacles are overcome with a decreasing amount of effort, performance will continue to improve. To develop future record breakers, we can experiment in the following areas of technique:

1. Quicker development of latent speed from the starting blocks to the first hurdle.
2. Parallel arm action throughout with more vicious action in clearance.
3. Focal or straight line hurdling.
4. Taking the first hurdle with a relaxed sprinting stride, perfecting sense of timing and rhythm.
5. Quicker pick up of the follow leg and hip action for clearance speed.
6. Lead leg slightly bent and relaxed.
7. Backward lead leg action on snap down.
8. Removal of foot strain in toe-up action for clearance of follow leg.
9. Removal of any hesitation or pause of the body in flight.
10. Keeping center of gravity of body as close to and parallel to the ground as possible.
11. Developing a new carefree mental attitude in the hurdler.



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# Tennis Town, USA

By LENDON L. SCOTT

Lincoln Jr. High School, Santa Monica, Cal.

**S**ANTA MONICA, a beach city of 70,000 people 12 miles west of Los Angeles, could well be called Tennis Town, U.S.A. Since 1899, Santa Monicans have captured the astonishing total of 73 national and 20 Wimbledon tennis championships!

The question often asked is: How does Santa Monica produce so many good tennis players? The answer is steeped in tradition. It goes all the way back to the founding of the Lawn Tennis Association of Southern California in 1887. James Bettner and Abbot Kinney, both of Santa Monica, were the first president and vice-president, respectively, and Santa Monicans have been raising a racket ever since.

Marion Jones was the first Santa Monican to win a national championship (1899); then May Sutton Bundy, Mary K. Browne, and Elizabeth Ryan annexed Wimbledon titles; and Tom C. Bundy followed by pairing with Maurice E. McLaughlin to win the men's doubles title three years in a row (1912-14).

The present generation of Santa Monicans started to capture national crowns in 1926, when John Doeg, the southpaw cannoner, won the junior singles title. After John came Marjorie Gladman, Dorothy Bundy, Doris Doeg, Violet Doeg, May Doeg, Jay Cohn, Gracyn Wheeler, Ted Olewine, Gussie Moran, George Druliner, Beverly Baker, June Crow, Allen Cleveland, and Jim Read. Many other Santa Monicans have won other tournaments of national importance.

Besides having a long and honorable tennis tradition, Santa Monica is blessed with a superb organization. Not one but several organizations actively promote the sport.

The Santa Monica Tennis Club, composed of 110 active players, encourages the younger Santa Monicans. It sponsors a junior development program which furnishes balls and other equipment, as well as instruction, to boys and girls who join the club.

The Tennis Patrons of Santa Monica, organized two years ago with

Helen Wills Roark as president, has done much to promote the sport. It sponsors tournaments for both adults and juniors, and also provides two professional coaches for all schools with tennis courts. These tutors give lessons one afternoon a week at each of these schools.

The City Recreation Department offers a special tennis program under the direction of Frank Baker, father of Beverly Baker, fourth-ranked woman player. Its Saturday morning clinic attracts dozens of youngsters of all ages.

The Santa Monica schools, under the direction of Superintendent Dr. William S. Briscoe, have also played a vital role in the developmental program.

Lincoln Junior High School is the cradle of the Santa Monica set-up. Tennis is part of the regular physical education program, one of the individual sports that is taught six weeks each year.

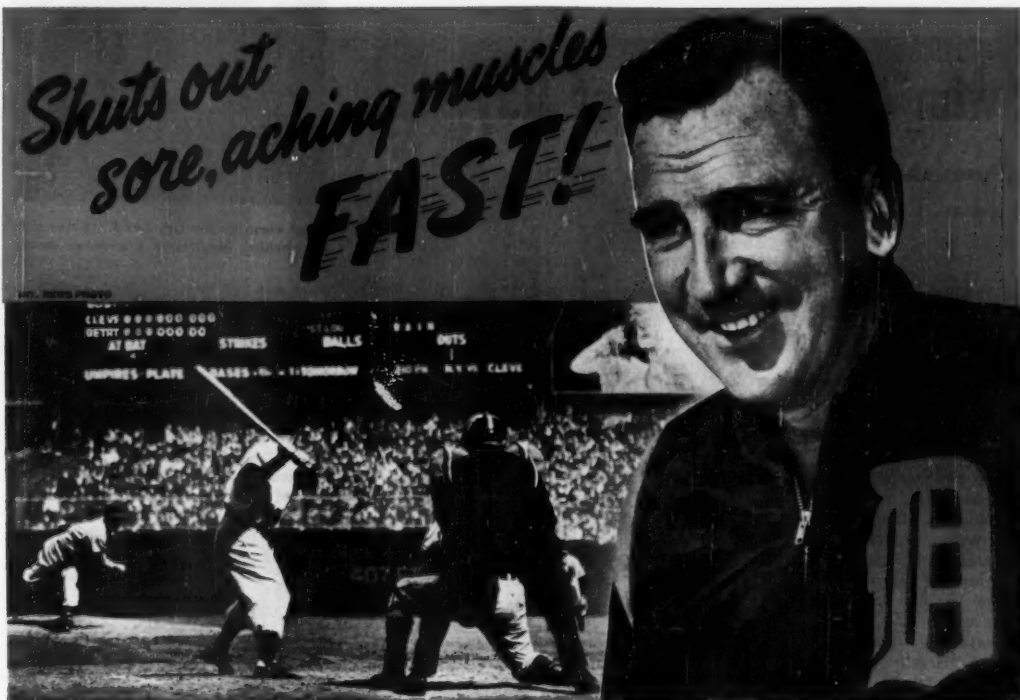
Both boys and girls have a junior and senior tennis club, each of which is composed of about 20 members who meet one afternoon a week during the entire school year. Each club maintains a tennis ladder, and every member is expected to challenge one week and accept a challenge the next. Letters are awarded to all students who play 20 challenge matches and who take 10 tennis lessons a year.

The best players from both the junior and senior clubs make up a varsity team which plays other schools. Our schedule is a free-lance affair; that is, we do not play in a

(Concluded on page 41)

## National Champions from Lincoln Junior High School

Name	National Championships Won	Year	Student at Lincoln
JOHN DOEG	Junior Singles	1926	1922-23
	Men's Doubles	1929-30	
	Men's Singles	1930	
MARJORIE GLADMAN	Girls' Singles	1927	1922-24
	Girls' Doubles	1927	
	Indoor Women's Singles	1936	
	Indoor Women's Doubles	1936	
DORIS DOEG	Hard Court Girls' Doubles	1928	1923-26
VIOLET DOEG	Hard Court Girls' Doubles	1928	1923-26
GRACYN WHEELER	Hard Court Girls' Doubles	1931-32	1925-28
	Hard Court Girls' Singles	1932	
	Indoor Women's Doubles	1940	
JAY COHN	Boys' Singles	1929-30	1928-31
	Boys' Doubles	1930	
MAY DOEG	Hard Court Girls' Doubles	1932, '34	1928-31
DOROTHY BUNDY	Indoor Women's Doubles	1941	1930-31
	Women's Clay Court Singles	1944	
TED OLEWINE	Junior Doubles	1939	1933-36
	Interscholastic Singles	1939	
	Intercollegiate Doubles	1941	
GUSSIE MORAN	Girls' Doubles	1941	1935-38
	Hard Court Women's Singles	1948	
	Indoor Women's Singles	1949	
	Indoor Women's Doubles	1949	
	Indoor Mixed Doubles	1949	
GEORGE DRULINER	Public Parks Doubles	1946	1936-38
	Public Parks Women's	1946	
BEVERLY BAKER	Girls' Doubles	1947-48	1942-45
	Hard Court Girls' Singles	1947	
	Hard Court Girls' Doubles	1947	
	Girls' Singles	1948	
ALLEN CLEVELAND	Boys' Doubles	1948	1945-48
	Public Parks Junior	1949	
JIM READ	Public Parks Junior	1950	1946-48



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# Swim Away the First Day!

By VERNARD B. HICKEY and MARYA WELCH

Physical Ed., U. of California, College of Agriculture

**I**F beginners could be taught to "walk before trying to run," the process of learning to swim might be greatly facilitated. This thought has often occurred to us in the years we've been teaching adults how to swim. It has seemed especially true in regard to the crawl stroke.

The process of acquiring enough skill to perform a reasonably good crawl and learning to breathe properly while partially submerged in the water, has always seemed difficult for the beginner.

The various land drills whereby parts of the stroke are taught out of water haven't proved very successful. Better results have been obtained with kick boards and other mechanical aids, and with the bracketed drills in which parts of the stroke are taught while the student holds onto the side of the pool.

However none of these methods present the *entire* stroke out of the water. And that, we believe, is the key to successful learning. If the beginner can perfect the essential arm and leg movements as well as the breathing technique while on land, it would be much simpler to execute and coordinate the entire stroke upon entering the water.

With this in mind, we have attempted to devise a means of teaching the entire crawl stroke out of water. We believe we have the answer in the Dry Land Trainer. This device consists of a specially shaped bench, properly padded for comfort, with an overhead support for the legs.

The bench reaches from the chin to just above the knees. It is about 36 inches long, with a tapering or narrowing front end that furnishes support for the chest but allows free movement of the arms. However, the length of the bench isn't important, since the back end slopes down slightly to permit additional kicking freedom.

The overhead leg support consists of two heavy elastic adjustable slings, suspended from an overhead frame. It is about 20 inches long from the top of the frame to the bottom of the loops, and is strong

enough to stretch three inches when supporting an eight-pound weight.

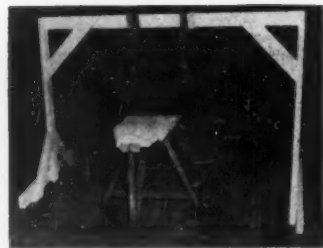
In addition to the adjustable loops at the bottom, it possesses adjustable fasteners at the top (where it fastens onto the overhead support), so that greater or less support can be given to the legs while executing the kick. Since the legs are supported just above the knees, they have plenty of freedom to execute the flutter kick.

The apparatus also assures considerable looseness of the foot and ankle, which is essential in the flutter kick; as well as plenty of downward movement, thanks to the sloping back end.

The padding on the Trainer consists of a layer of sponge rubber a half inch thick over the entire surface. This is covered with tightly stretched white canvas tacked to the under side of the bench, affording a smooth, uniform surface which is easy to keep clean and is comfortable to the pupil.

The Trainer permits us to teach the correct arm movements, develop the proper lift of the elbow in clearing the water, and keep an almost perfect check on the kick.

Once the kick and arm movements are mastered, we add the



Front view of the Dry Land Trainer used in teaching beginners the crawl stroke.

element of water for breathing practice. We do this with a detachable support that holds a pan of water at just the right height, enabling the learner to exhale into water as he practices the entire stroke.

The course on the Trainer starts with short periods of instruction on the kick and arm stroke, with each set of drills being executed separately. The initial drills are about a half minute long; then, as the student progresses, they are gradually increased to one or one and a half minutes.

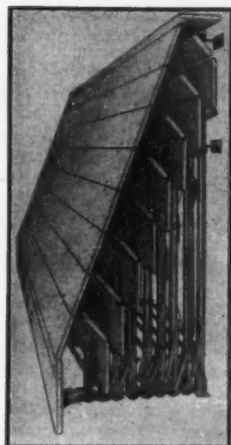
The Trainer has greatly facilitated the demonstration of basic movements. It is very simple to show the beginner how high to carry the elbow in clearing the water, where the hand enters the water, and where the arm pull ends.

The same holds true for clearing the face and mouth for breathing, and learning where to roll the head to start exhaling. All of these things are easy to teach and correct when both instructor and pupil are out of the water.

This holds true, but to a lesser degree, of the leg movements. We have learned that the beginner can give much more attention to in-



Pupil in position to execute the entire stroke. Note the sloping back end of the bench, the elastic leg supports, and the pan of water permitting breathing practice.



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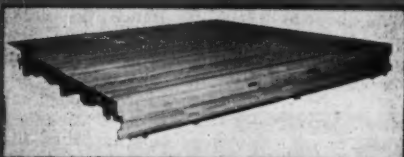


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structions if he isn't choking or strangling in his efforts to breathe, or fighting to hold his face out of the water while trying to execute the desired movements.

Since the techniques of the crawl can hardly be considered natural movements, considerable concentration is required in the early stages. As the beginner acquires some skill in both arm and leg movements, all the movements are combined into the complete stroke.

Between periods of instruction on the Trainer, the beginner practices breathing techniques, using a pan of water approximately six inches deep, 14 inches long, and nine inches wide. The breathing technique must be fairly well-mastered before we attempt to combine it with the arm and leg stroke.

When arm and leg movements have been coordinated, the beginner practices rhythmic breathing by turning the head first to one side and then down, while executing the entire stroke without the hindrance of water.

After a small amount of skill is acquired in coordinating the arm and leg movements with breathing, the detachable support holding the pan of water is put into place, and work is started upon the entire crawl stroke.

It usually takes about five or six sessions on the Trainer—depending somewhat upon the individual—for the students to acquire a fairly well-coordinated crawl stroke, with proper leg and arm movements and a correctly timed breathing rhythm. In some cases we've used a metronome to develop a consciousness of a rhythmic type of stroke.

Since the work on the Trainer is quite fatiguing, we limit the duration of the drills. We have found, for example, that the kicking drills can be maintained with good rhythm for just about a minute.

The arm movements are even more tiring, and it takes considerable concentration to stroke them for a full minute. This is particularly true in the beginning phases. So, in coordinating the arm and leg movements with breathing, we usually restrict the drill to about a half minute. This is just about as long as the beginner can maintain a good rhythm for arms, legs, and breathing.

The total time required for a complete workout on the Trainer, after the initial instructions have been given, is 10 minutes at the most. As previously mentioned, the lesson is started with short bursts of kicking movements and arm movements. Then the pan of water

is added, and the stroke is coordinated with breathing.

Each phase of the drill lasts about a half minute. As the student progresses, more time is spent upon the coordinated stroke and less upon the individual components.

After five or six sessions on the Trainer, the beginner is often ready to take to the water. Without exception, they are able, after some preliminary instructions and drills, to swim a fairly well-coordinated crawl stroke on their first day in the water.

First we have them put their faces into the water, bubble, duck, and practice kicking while holding onto the side of the pool. Then we give them some work on the prone glide, the kick glide, and breathing.

After these preliminaries, we have them push off from the side, start to kick, and then use their arms. Without exception, they are able to execute a fairly coordinated stroke.

When actually in the water, the beginners feel that they know what to do in order to swim the crawl. The fact that they've learned how to execute the arm and leg movements for one stroke seems to give them confidence in their ability to achieve other skills and movements in the water.

**TRAINER DISCONTINUED**

Once the students are able to execute a fairly well-coordinated stroke, we do not take them back to the Trainer unless they develop trouble in some phase of the stroke. For the most part, we keep them in the water and make no further use of the Trainer.

We definitely believe that there is a place for this apparatus in teaching the crawl stroke to adult beginners. It isn't so valuable for younger groups, unless plenty of time and attention can be devoted to personal instruction.

As a rule, the youngster first learns to "dog-paddle" and then gradually works into the crawl stroke as he learns to swim. Since this process may take several years, the adult is seldom willing to observe it. Hence the necessity of teaching a fairly correct crawl stroke to begin with. Nevertheless, we believe that any beginner—adult or child—may derive considerable benefit from work on the Trainer.

After experimenting with our Trainer for more than a year and a half, we can say with certainty that all beginners will make better progress in learning the crawl stroke if taught the correct fundamentals before entering the water.



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AKRON, OHIO

# State High School FOOTBALL CHAMPIONS

(Continued from page 5)

the winners, who were coached by Ray French. Montrose won the Class A championship, 20-7, over Lakewood; Manzanola downed Lafayette, 13-12, for the B title.

## CONNECTICUT

Stamford won the S. Polk Waskowitz trophy, emblematic of the Nutmeg State Title after polling 149 votes to 133 for Bulkeley of Hartford. Stamford dropped a 32-26 decision to White Plains, N. Y., on a kickoff return in the last two minutes, but defeated eight Connecticut rivals including four of the first ten ranked teams.

## DELAWARE

Bridgeville owned the only unsullied record in the state with seven straight wins, while Newark was tied once in nine games. Salesianum and Laurel were other fine teams. Laurel was powered by Ronnie Waller, 168-pound quarterback, who established a new state scoring record of 213 points in eight games.

## D. C.

Eastern, public school champion, overcame St. John's, Catholic champ, 6-0, to win the Washington city title. A 16-yard pass from Ralph Sita to Don Prender with five minutes to play settled the issue. Spencer Lampiris, Eastern center, was voted player of the year in the area.

## FLORIDA

While Landon of Jacksonville won the Big Ten Conference title in a league comprised of 13 of Florida's largest schools, Miami Senior High was considered the state's best team. Miami dropped a 31-14 post-season decision to Durham, N. C., while Weymouth, Mass., whipped Landon, 34-18, in a post-season encounter in the Gator Bowl.

## GEORGIA

Georgia has championship eliminations in four classes. Results of final games were: AA—Decatur 26, Lanier of Macon 12; A—Rockmart 52, Valdosta 21; B—West Point d. Jesup; C—Quitman d. Fort Valley. Many observers rated Rockmart Georgia's best team, and the Class A champs proved worthy by defeating Holyoke, Mass., 19-14 in the Peanut Bowl.

## IDAHO

No state title is awarded, but Boise, unbeaten champions of the Big Six Conference, had an airtight claim. Boise defeated Lewiston, considered best in the North, and was tied by Nampa, in its own league. Phil Kleffner, 185-pound fullback, Roger Randolph, Bob Crawford, and Eddie Barton, linemen, were Boise all-conference selections.

## ILLINOIS

Illinois is well-organized into leagues, but has very little inter-sectional play and no opportunity to recognize a champion. Mt. Carmel, under the guidance of former Notre Dame star, Terry Brennan, won the Chicago city championship, defeating Lane Tech's public league champions, 45-20. Unbeaten elevens and their coaches were: Peoria Manual (Bob Jauron), Moline (Sam Drake), Barrington (Tom Frederick), Robinson (Frank Hunsaker), Proviso of Maywood (Andy Puplis), Fairbury, Jacksonville, Moosehart, Carthage, Unity of Tolono, Normal, Savanna and Polo. Outstanding stars included: Steve Roake, end, Barrington; Max Ponder, guard, Lane Tech; Willard Schuldt, end; Elgin; Tony Pasquesi, tackle, St. Philip; and backs, Ray Trobiano, Proviso; Austin Dukes, Moline; Dean Guzman, West Aurora; and Paul Reynolds, Springfield Cathedral.

## INDIANA

Fort Wayne Central Catholic (Fordy Anderson) and Jefferson of Lafayette (Marion Crawley) laid the best claims to Hoosier domination. Both were undefeated and untied. Noblesville and Hartford City were two smaller schools which went unbeaten. Once-tied Gary Roosevelt and Ben Davis also had splendid records. Randy Barrett, halfback, and Carl Braun, end, were Lafayette's all-stars, while Phil Ehrman, speedy halfback, and center Becker led Fort Wayne.

## IOWA

Iowa City's unbeaten team rammed through eight Iowa opponents and one from Illinois to gain first place in the Cedar Rapids Gazette poll by a slim margin over Loras, Dubuque parochial school, and Ames. Other leaders were: Fort Dodge, Mt. Pleasant, Carroll, Waverly, East

Des Moines and Cherokee. Three all-stars — end Jim Freeman, tackle Tom Kerf, and halfback Duane Davis, sparked the T-formation Iowa City team.

## KANSAS

Topeka, coached by Bob Briggs, was tied twice, but still managed to gain state laurels in polls conducted both by the A.P. and the Topeka Daily Capital. El Dorado was runner-up in the first poll, Wichita East the second. Stafford, Clay Center, and Shawnee-Mission of Merriam were other high ranking elevens, the first two going unbeaten and untied. Outstanding stars of these teams were: Darrell Peyton, halfback, Topeka; Don Feller, back, and Larry Hartshorn, tackle, El Dorado; Joe Rainman, end, Wichita East; Dick Sandifer, fullback, Stafford; Bill Brown, guard, Clay Center; and Dick Carrier, guard, Shawnee Mission. All made the all-state team.

## KENTUCKY

Kentucky uses a rating system to determine its champion and Tilghman of Paducah came out with 86.8 points to nose out four Louisville schools for the title. Paducah also defeated Little Rock, champion of Arkansas, in a regular season game. Coach Ralph McRight's charges were led by all-state back, Bob Hardy, and end Don Kauth.

## LOUISIANA

Istrouma Parish of Baton Rouge throttled all-Southern halfback, Joe Heap, of New Orleans' Holy Cross to win the state AA prep championship, 12-7, in the elimination finals. Coached by Fuzzy Brown, the champions featured two all-stars in Pete Meliet, half, and Larry Mobley, end. Baker, coached by Perry Angle, won the Class A title from Bossier City, while Clinton downed Delhi for the B championship. Heap, state dash and broad jump champion, scored 106 points in tough city league competition and at 180 pounds is considered an outstanding college prospect.

## MAINE

Championships are awarded in three classes, based on a point system. Lewiston, tutored by Mose Nanigan and featuring the lineup of two behemoths, Bob Leclair (240) and Jimmy Sacco (220), and all-state back, Bobby Flynn, went unbeaten and virtually unchallenged in the largest class. St. Louis of Biddeford topped the mediums, and Livermore Falls and Hallowell the small schools.

## MARYLAND

Schools are loosely organized, although the M.S.A., comprised of Baltimore schools, plays full league schedules. Patterson Park won the



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LEFT: Medart "Two-Level" installation utilizes both balcony and gym floor for maximum audiences.



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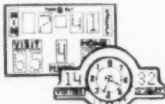
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# State High School FOOTBALL CHAMPIONS

(Continued from page 24)

public title for the fourth time in five years, and Loyola and Gilman tied for the private diadem. Fort Hill of Cumberland was an outstanding state eleven, winning nine in a row behind the quarterback magic of 162-pound senior, Lynn Beightol.

## MASSACHUSETTS

Though schools are well-organized for football, no official champion is named. Four classes are played in the East and the winners were: Weymouth (A), Gardner (B), Lawrence Central (C), and Wareham (D). East Boston won the city league title. In Western circles, Holyoke was the A titlist and Palmer the B. Holyoke, with back Don Graf and center Bobby Brennan outstanding, dropped a post-season decision to Rockmart, Ga., while Weymouth routed Jacksonville (Fla.) Landon. Bill Sprague, 216-pound tackle, was outstanding for Weymouth. Joe Terrasi, 156-pound back, was Eastern Massachusetts' "player of the year."

## MICHIGAN

Flint Northern, paced by three all-state backs, T-quarterback Duncan MacDonald, and halfbacks LeRoy Bolden and Ellis Duckett, piled through nine opponents and was voted No. 1 team in the state's United Press poll. Coached by Guy Houston, the Vikings also had linemen Jim Wagner, Joe Shomsky, and John Veselenak as prominent performers. Detroit Redford, Ann Arbor, Mt. Clemens, and Dearborn were other unbeaten Class A teams, although the last two were tied. Cadillac was voted No. 1 in Class B and Reed City in Class C. Two outstanding boys who made every all-state team were end Russell Varin of Redford and guard Warren Spragg of Alpena.

## MINNESOTA

Austin, downstate power, led state rankings and was awarded the unofficial trophy by the Minneapolis Tribune. Coached by Red Hastings, Austin far outdistanced Canby, Hibbing, Minneapolis Central, Northfield, St. Cloud Tech, and Minneapolis Henry. Jerry Marsh, 194-pound Austin end, made the Tribune's all-state team. Other outstanding players were backs Jerry Helgeson of St. Cloud and Dale Quist, Northfield.

## MISSISSIPPI

Perhaps the greatest team ever developed in the state, Jackson, a single-wing powerhouse, rolled to eleven straight victories climaxed by a 52-7 playoff win over Laurel for the Big Eight Conference title. The Big Eight actually lists the state's 18 largest schools and is divided into North and South divisions. Jackson was coached by Doss Fulton and featured the play of tailback Tommy Lee and fullback Jack Bass on offense, and end Robert Fisher and tackle Billy Yelverton on defense. Jackson averaged 49 points per game, limiting its rivals to less than five. Sardis, a small school, produced a fine record and a great back in 175-pound Leo Paslay.

## MISSOURI

Regional and conference champions in Missouri included: St. Louis Public—Beaumont; Suburban—Maplewood; St. Louis Prep—University H.S.; Kansas City Public—Southeast and Southwest; Central Mo.—Columbia; Kansas City Catholic—Lillis and Rockhurst; Northwest Mo.—Maryville; West-Central—Warrensburg; Midwest—Raytown; Mo. River—Excelsior Springs; No. Central—Kirksville; Northeast—Moberly; Big Eight—Monett; Pony-Express—St. Joseph Central; St. Joseph City—Christian Bros.; Southeast—Sikeston. No attempt is made at naming a champion, although Maplewood and Kirksville were unbeaten powerhouses.

## MONTANA

Despite an electrifying performance by Butte's all-stater, Jack Kyllingstad, Flathead County of Kalispell won the state championship, 42-21, in the Class AA playoff. Kyllingstad ran 60 and 8 yards for td's and had non-scoring runs of 47, 46, 45, 29, and 21 yards. Central Catholic of Anaconda downed Glendive, 32-0, for the Class A title.

## NEBRASKA

Northeast of Lincoln was the unofficial state champ. Coach Bun Galloway's eleven was the lone unbeaten, untied Class A school and featured the play of a fine back, Jim Cederdahl. Omaha North, Grand Island, Lincoln, Hastings, and Fremont followed in the standings.

## NEVADA

Reno went undefeated and claimed the state crown after defeating Las Vegas, 12-0, in the final game of the season. Boulder City also went undefeated but played only three Nevada opponents.

## NEW HAMPSHIRE

Manchester Central went unbeaten against state opposition to win recognition as champion. The Greenies, coached by Andy Dominick, and led by unanimous all-stater Billy Pappas, ran up an 8-2 record, losing to Haverhill and Brockton, Mass.

## NEW JERSEY

Sectional champions in four enrollment classes and four sections, making a total of 16, are recognized in New Jersey. Three Group IV (large) powers—Montclair, Memorial of West New York, and Passaic—went unbeaten, untied, and unrecognized as official state champs, though all had good claims. The Newark Evening News awarded an unofficial trophy to Montclair, coached by Clary Anderson, and truly an outstanding team. The Mounties, a T-formation team, looked like a college eleven and continued a five-year domination over the toughest section of the state. An outstanding feat in the state was the scoring record of 137-pound sophomore, Johnny Gian-tonio of Netcong, who racked up 246 points in eight games.

## NEW MEXICO

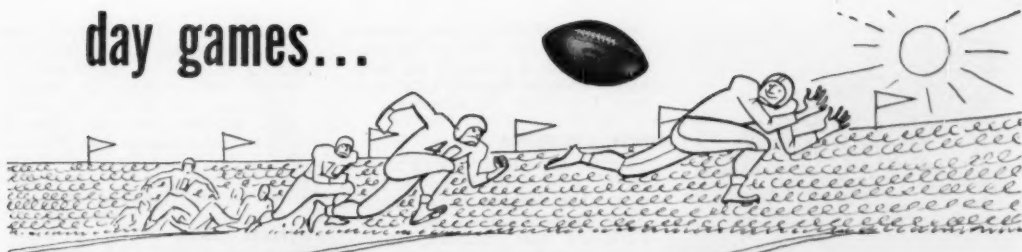
Fired by all-state halfback, Fred Mahaffey, a real speedster, Carlsbad won the Class A championship. Coach Ralph Boyer had two fine linemen in guard Ronnie Jaeger and tackle Ken Elmore. The Cavenmen went unbeaten and untied, listing two Texas schools among their victims. Alamogordo won the Class B title. Los Alamos, classified as a "B" school, had an unsullied record but did not qualify for the championship because it did not play enough games in its class.

## NEW YORK

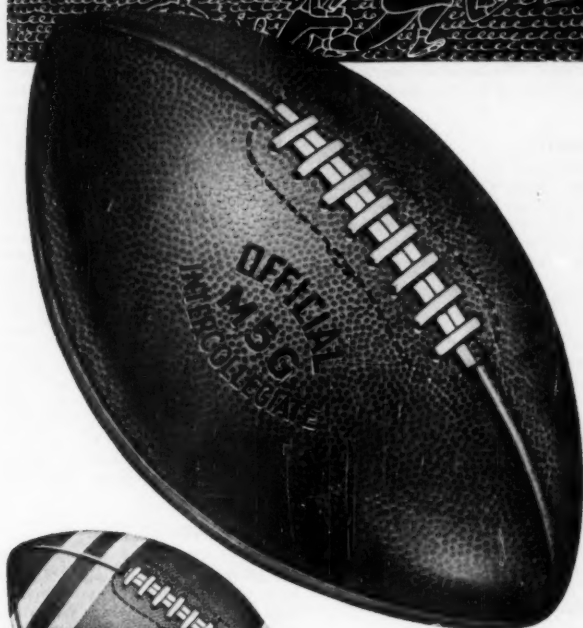
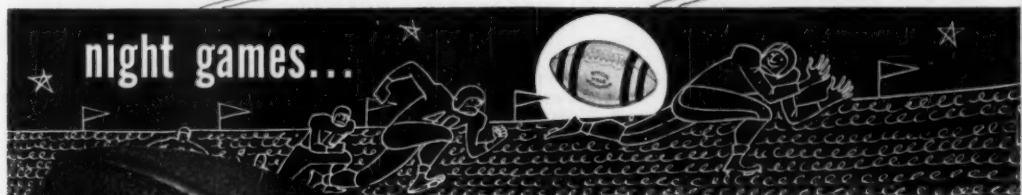
New York schools are loosely organized and recognize only sectional champions. White Plains, which downed Stamford, Connecticut champions, was outstanding in Section I. Other sectional winners were: Mont Pleasant of Schenectady and Albany (2A); Johnson City (3); Auburn (4); Madison of Rochester and Fairport (5); North Tonawanda (6); Freeport and Mepham (8); Kingston (9) and Massena (10). Some outstanding players on championship elevens were: George DiBitetto, t, and Chuck Young, hb, White Plains; Jack Hamilton, hb, Mont Pleasant; Milt Flood, c, Albany; Jack Decker, hb, and Ed Matyas, g, Johnson City; Francis Maloney, fb, Auburn; Mike



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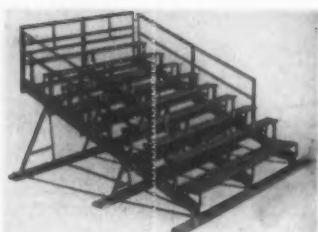


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### NORTH CAROLINA

Durham came from behind to trip Reynolds of Winston-Salem, 12-7, on a muddy field to retain its state AAA championship. Coach Elmer Barbour's star fullback, Worth Lutz, plowed two yards for one score and passed to end Billy Rigbee for the clincher. Durham was unbeaten its regular season, then slaughtered Miami in the Orange Bowl. Joe Porcelli, 190-pound guard, was another great star for the Bulldogs. Reidsville, with Alvin Cook passing and Charles Royster running for three tallies, reversed a 1949 decision in Class AA by dropping Henderson, 26-0, in the championship final. Williamston downed Bessemer City, 19-13, for the Class A title.

### NORTH DAKOTA

North Dakota's 15 largest schools form the East-West Conference with the winners in each half playing for the title in a post-season game. Minot won the Western half, while Shanley of Fargo was East champ.

### OHIO

Massillon's Tigers, the scourge of Ohio prep football, were acclaimed state champions in the annual A.P. poll. The T-formation charges of Chuck Mather won ten straight, led by fullback Bob Howe, center Jim Krisher, and guard Jim Reichenbach, all-staters all. Once-beaten Hamilton finished second, followed by Barberton, Springfield, Upper Arlington, and Portsmouth. Upper Arlington was unbeaten as was Lakewood, ranked tenth.

### OKLAHOMA

Three champions earned their titles in the Sooner state by playing through a rugged series of eliminations. Muskogee, tutored by ex-Oklahoma flanker Paul Young, downed Capitol Hill of Oklahoma City, 19-13, in the Class A championship game after eliminating Ada and Stillwater. Max Boydston, fullback, and a brother of Baylor's all-Southwest conference Bob, and tackle Kurt Burris were the Muskogee stars. Sayre downed Poteau, 39-21, to win the Class B crown, and Thomas downed Oklahoma Deaf, 21-14, in Class C.

### OREGON

Eight regional champions play off to Class A and B crowns. Grant of Portland repeated in Class A with a narrow 12-7 victory over Marshfield of Coos Bay. Grant was sparked by T-quarterback George Shaw, end Dick Davenport, tackle Rube Menashe, and center Ron Pheister,

all all-staters. Grant had an even narrower squeak in its semifinal, edging Eugene, 7-6. Marshfield defeated MacLoughlin of Milton-Freewater, 19-0, in the other semifinal. Bandon won the Class B crown from Union in a 19-18 thriller. Ted Ogdahl coached Grant, while Pete Susick brought Marshfield to the final.

### PENNSYLVANIA

The large number of schools playing football precludes the possibility of naming a state champion, but Keystone state elevens produced their usual fine performances. Winner of the AA championship in the tough W.P.I.A.L. was Butler, which outlasted Connellsville, Ambridge, Uniontown, New Castle, Latrobe, and other tough outfits. Canonsburg and New Brighton played a 13-13 standoff for the Class A title and Masontown won in Class B. Schenley won the championship of Pittsburgh. In the 47-school Western Penn Assn., little Bellwood-Antis behind ace quarterback Mike Hoffer surprised to win the Class A title and Spangler won in Class B. The huge Eastern Conference (52 teams) awarded North and South championships, then Coal Township of Shamokin downed Northern champs, Swoyerville, 26-13, for the crown. Williamsport and William Penn of Harrisburg tied for the crown in the strong Central Penn League, but Steelton had the player of the year in Dick Reich, fullback. In Philadelphia, Bok Tech won the Public title and North won the Catholic League. Bok defeated North, 13-0, for the city crown. Lower Merion of Ardmore had an unbeaten slate among suburban schools.

### RHODE ISLAND

Little Rhode Island has 26 high schools which play football in three leagues according to enrollment. East Providence, West Warwick, and Lockwood won their respective crowns, with East repeating in the largest class for the second time.

### SOUTH CAROLINA

The fact that no championship is awarded among the state's larger schools caused a rhabarb that traveled the length and breadth of the state. Florence, coached by Rhoten Shetley (ex-Furman), and Anderson, under Ralph Jenkins (ex-Clemson) tied in a newspaper poll but did not play each other. The former won all eleven of its games, while Anderson had a 10-0-1 record. Lexington defeated Aynor, 44-13, for the Class A title, and Moultrie downed North Augusta, 6-0, for the B crown.

### SOUTH DAKOTA

No official crown is awarded in South Dakota, but Rapid City was the claimant to the throne. Rapid  
(Continued on page 32)

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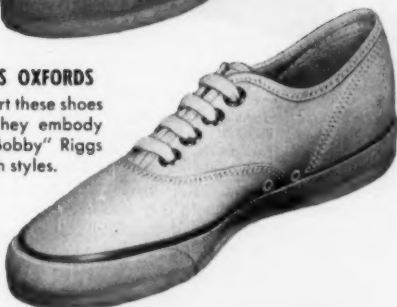
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Please send all contributions to this column to Scholastic Coach, Coaches' Corner Dept., 351 Fourth Ave., New York 10, N. Y.

**B**ACK in the days when Bing Miller was patrolling right field for the championship Athletics, he once met a clergyman friend on the street. "Miller, I never see you in church on Sunday," the minister said.

"No, dominie," answered Bing, "and I never see you out at the ball park." "But that's different," said the preacher. "You baseball people play on Sundays. That's against my principle and I will not patronize the business."

"Well," said Bing, "you do your work on Sunday, too, don't you? Isn't that your big day?"

"The cases are not parallel," retorted the minister. "Our work is in different fields. I'm in the right field—"

"So'm I," said Bing enthusiastically. "And ain't that sun in your eyes hell?"

**Before being farmed out** for more experience, pitcher Bob Weisler made quite an impression in the Yankee training camp. Yogi Berra, who caught him, agreed that Bob was as fast as anybody around.

Weisler's big problem appeared to be control. He just couldn't put the ball over. "What would happen," wondered a reporter, "if he were roomed with Tommy Byrne, the notorious wild man of the Yankee staff?"

"Neither of them would be able to get into the room," somebody said. "They wouldn't be able to find the keyhole."

**One afternoon** Joe Cantillon, who managed the Senators in the early 1900s, thought umpire Tim Hurst robbed his team of the game. Next day Hurst, willing to forget the hot breath blown on him, walked over to the Washington bench before the game and asked cordially, "Who's your pitcher today, Joe?"

"Guess, damn you," said Cantillon. "That's all you did yesterday!"

**When Jimmy Dykes** was breaking in with the Athletics, Bill Guthrie

once called a strike on him which Jimmy didn't like. Jimmy tapped the plate and sort of turned his head. "What's the matter," snapped the ump, "didn't you like that call?"

"Well," drawled Dykes, "now that you mention it I think the pitch was a little high."

"Don't tell anybody else," retorted Guthrie. "If your eyesight's failing, nobody'll know about it but me and you and the catcher."

**A cocky young Giant** outfielder once muffed three easy flies, each time alibiing. "It was the wind. There's a tricky wind out there today." His third muffed cost the game and when he again blamed the wind, his manager, the great and vitriolic John McGraw, snapped, "That was a wind, all right—a trade wind. Tomorrow you go to Toledo."

**The long arm** of coincidence provides many a bizarre touch in the national pastime. Take Lou Boudreau, for instance. In 1949 he was manager at Cleveland with Steve O'Neill as an aide. Today, two years later, Boudreau is playing for Boston—under the managership of the same O'Neill. And take coaches Ray Blades of the Cardinals, Bill Dickey of the Yankees, and Clyde Milan of the Senators. All of them are coaching clubs they once managed!

**As a crystal ball seer**, fifth class, we tip our forelock respectfully to the 35-man United Press board of basketball experts. At the end of the regular season, they rated Kentucky, Oklahoma A. & M., Kansas State, and Illinois 1-2-3-4. And as you know, these were the four teams that advanced to the NCAA finals.

**Success story** by Walter Hoving, the millionaire department store mogul: "My first big selling job presented itself while I was attending Brown U. I sold myself onto the football team. I really wasn't very good, but I figured I might make the team if I specialized in something. So every

night I would spend hours memorizing the rule book, until I was the only member of the squad who knew every rule cold. Even the coaches came to me for rulings. Probably the main reason they kept me on the field was for insurance. If the ref made a bum decision, I could always show him why he was wrong."

**Just the other week** we received a request from one Darrow Hooper, of Texas A. & M., for a certain back issue of *Scholastic Coach*. The name sounded familiar and after sloshing it around upstairs, it clicked into place. Darrow Hooper holds the national schoolboy shot put record of 59-10, made in 1948 while he was attending North Side H.S. in Fort Worth. Wondering why he hadn't been heard from since as a putter, we dropped him a line; and he came back with a nice, friendly answer:

"Your inquiry about my lack of advance in the shot came as no surprise. Last year I was required to go out for spring football and didn't start track until March 10. This year, being a sophomore, they let me skip spring football, and I'm doing much better. I started off by hitting 51-10½ in the Laredo Border Olympics, which isn't so bad. In the Long Beach relays the same day, Otis Chandler put only 52-1 while my soph competitor, Perry O'Brien, hit 51-8½. O'Brien put 54 ft. last season and I plan to stay up with him this year."

**Just got the final** scoring statistics for the past hoop season, and it appears that Bill Milkvy, the Temple Owl without a vowel, broke two national records. His 29.2 point average per game broke Ernie Calverly's 1944 record of 26.7, and his 312 field goals surpassed Chet Giermak's two-year-old collegiate mark of 301. The 10 leading scorers follow:

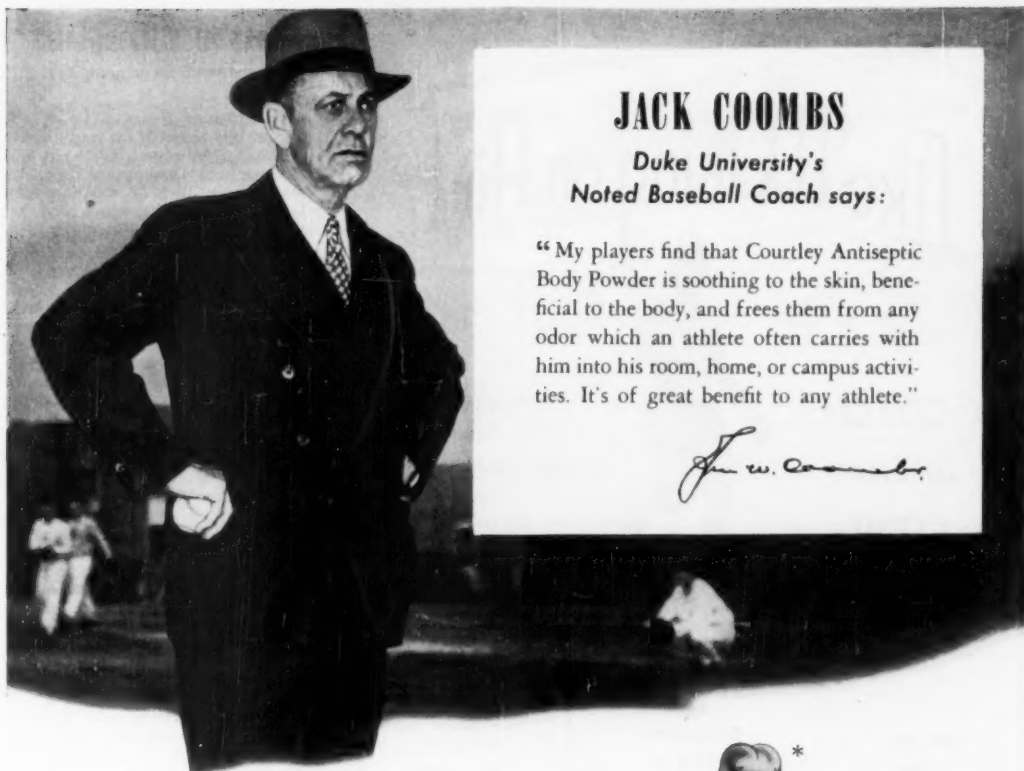
	G	FG	FT	Pts	Avg
1. Milkvy, Temple	25	312	125	731	29.2
2. Handlan, Wash. & Lee	25	249	158	656	26.2
3. Workman, W. Va.	27	273	159	705	26.1
4. Groat, Duke	33	285	261	831	25.2
5. Lovellette, Kansas	24	245	58	548	22.8
6. Slaughter, So. Car.	25	222	125	569	22.8
7. Hennessey, Villanova	32	306	91	703	22.0
8. Ove, Valparaiso	22	158	153	469	21.3
9. Zawoluk, St. John's	31	223	208	654	21.1
10. Ranzino, N. C. State	33	236	217	689	20.9

**The first day** Red Lynn reported to the Toledo Mudhens, he went to the mound to show what he had; and Al Devormer, the veteran catcher, cautioned him, "Now, don't be nervous, kid. I'll flash you the signals—one finger for a fast ball, two for a curve."

Devormer signalled for the fast ball, and Lynn delivered it five feet over his head. The next pitch was even wilder. The catcher ran out to the mound. "Calm down, kid," he said. "Don't be nervous. Is everything all right?"

"Well, sir," gulped the rookie. "I wish you'd call for that two-finger curve. I can't seem to grip the ball with only one finger!"





## JACK COOMBS

*Duke University's  
Noted Baseball Coach says:*

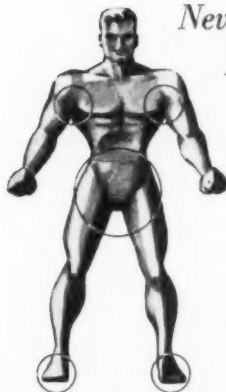
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*Jack W. Coombs*

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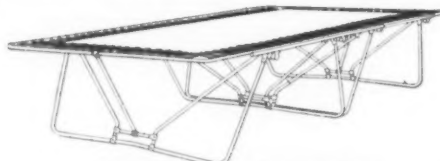
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## Football Champions

(Continued from page 28)

City defeated Sioux Falls Washington, champion of the tough Eastern S.D. Conference, 27-19, in late October and went on to finish its season unsullied. It was the only loss for Sioux Falls, which was tied in its final game by Watertown.

## TENNESSEE

Memphis Central was rated just above Murfreesboro in an unofficial ranking system conducted by Tennessee newspapers. Other strong teams ranked in order were: Chattanooga Central, Memphis South Side, Fayetteville, Springfield, Knoxville, and Nashville East. Memphis' champs were led by end Harold Brown and guard Royalyn Keathley.

## TEXAS

The Lone Star State boasts probably the most highly organized scholastic program in the country. Championships were decided in three classes on a statewide basis, and eleven regional crowns were handed out in the Class B ranks. Wichita Falls, a powerful single-wing team, routed Austin, 34-13, in the Class AA final; Sunset of Dallas downed Reagan of Houston, 14-6, for the City Conference crown; and Wharton upset Kermit, 13-9, for Class A honors. Joe Golding coached Wichita Falls to its second straight state title, an unusual feat in Texas. In a poll conducted by the Texas Sports Writers Assn., Ed Berner, 185-pound end from Highland Park (the school which produced Doak Walker), was voted outstanding schoolboy griddier in the state. He was followed by Rich Spinks, Kermit; Frank Eidom, Port Arthur; and Larry Graham, Lamar of Houston, all backs.

## UTAH

Jordan of Sandy worked its single-wing magic under Coach Dale Sorenson to a 13-0 win over Box Elder in the state Class A playoff. It was Jordan's tenth crown. Neil Sorenson, brother of the coach, and Bruce Bills alternated at tailback for the Beetdiggers and starred throughout the season to be named on the all-state team. Linemen Jerry Worthen and Jack Bobberg also were picked. Millard County of Fillmore routed Moab 51-13 for the Class B crown behind the backfield work of Eldon Marshall, considered by many the finest in the state. Marshall tallied four times, including runs of 77 and 71 yards.

## VERMONT

Brattleboro succeeded Mt. St. Joseph of Rutland as Class A champ with eight straight victories, seven

over in-state opponents. Guard Joseph Siniuk had the unusual honor of polling the greatest number of all-state votes.

#### VIRGINIA

Virginia has 21 schools which play to the Group I (large school) championship. Hopewell and Hampton led the standings with seven victories each, while Glass of Lynchburg with six wins and no defeats also had a good claim. It was unfortunate that none of the leaders met each other. Hopewell was 1949 champion and was led by Johnny Dean, 190-pound quarterback, who was rated one of the best ever to play in Virginia.

#### WASHINGTON

Although no official title is awarded, the Associated Press poll is accepted by many as an indication of the state title. Roosevelt of Seattle (7-0-1) polled 12 of 16 first place votes and 78 points to lead Stadium of Tacoma (7-0-2) with 58 points. Next in order were Hoquiam, Rogers of Spokane, Longview, Wapato, and White River of Enumclaw. Mike Monroe, junior halfback, was the sparkplug for the Roosevelt eleven.

#### WEST VIRGINIA

The strongest teams in North and South are invited to play for the state title. Parkersburg, coached by Jimmy Scott, routed Oak Hill, 40-0, in the playoff game. End Bill Crouser, a 165-pounder, virtually owned the field as he scored thrice on a 14-yard end-around, a 46-yard pass, and an 83-yard fake punt. Bowman Watson at guard and Jimmy Earley, quarterback, also made all-state for the champions. Earley is a brother of ex-Notre Dames, Bill and Fred, and was voted West Virginia "player-of-the-year."

#### WISCONSIN

Several strong teams were fielded with Kenosha, Green Bay East, and three Milwaukee schools, East, Pulaski, and Marquette, probably the strongest. Kenosha rolled up 316 points in seven league games with fullback Alan Ameche tallying 114 of them. Other fine elevens were fielded by Menomonie, Bloomer, Wausau, and Tomah, all undefeated. Robert Young, a halfback, was Green Bay East's leader in the Fox River Valley race and was named to the all-state backfield with Ron Drzewiecki, Milwaukee Tech, and two Kenosha boys, Ameche and Mario Bonofiglio.

#### WYOMING

The six largest schools play a round-robin for the championship. Laramie had a 5-0 record for the title, but lost three other games, two to Colorado opponents. Four semifinalists in Class A were Green River, Torrington, Powell, and Gillette.

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In hitting through the ball, the right side relaxes, the right knee breaks towards the left, the wrists uncoil, and the right arm straightens out. At impact, there should be practically a straight line from the left shoulder through the left arm and the shaft of the club into the ball (see picture No. 4). The hands should be about as they were at the address.

From impact, the club follows the ball for several feet (follow-through) and then continues on to a complete finish.

Caution should be taken to make sure that the left wrist does not collapse at the impact and follow-

## "My No. 1 Wood"

(Continued from page 13)

through. If it does, the club face will cut over to the left and put a slice spin on the ball.

At the finish, you should be facing your objective. Your head, of course, should remain down with the eyes glued to the ball until contact has definitely been established.

The basic elements expounded above are graphically illustrated in the sequence on page 12.

**No. 1:** The backswing about three-quarters of the way up. The wrists

are breaking gradually and the left ankle is rolling towards the right foot, with the hips and shoulders turning in a motion similar to the coiling of a spring.

**No. 2:** The top of the backswing. Notice that the right knee and left foot have rolled to the inside, with the left heel coming off the ground. The weight has shifted to the right leg and is mostly on the right foot from the heel to the ball of the foot. The left arm is fairly straight and the left shoulder is almost directly under the chin, with the back almost turned to the objective.

**No. 3:** The swing now is in the hitting area. The wrists and hands are uncocking and adding their power to the blow about to come. The right elbow is close to the right side, and the left hand and arm are in control.

**No. 4:** The club has just made contact with the ball and you can notice that the right leg is shoving power into the shot. The right arm has straightened and the left shoulder has come up. The right side is relaxing.

**No. 5:** The start of the follow-through indicates that the club automatically follows the ball for several feet immediately after impact. The right arm now is fully extended, the right side is relaxed, and most of the weight is on the left foot with the right shoulder under the chin.

**No. 6:** Nearing the completion of the swing and follow-through. The weight is mostly on the left foot with the right completely relaxed. The elevated position of the hands indicates that there has been no effort to stop the club until the swing has reached the top.

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## Sixth Infielder

(Continued from page 9)

Also, the pitcher, after fielding a ball, should never toss it to an infielder when he can throw it. A thrown ball, when dropped, can often be picked up in time for the putout. A muffed tossed ball, on the other hand, can seldom be picked up in time for the play on the runner.

From the foregoing, it is apparent that the pitcher must be an active, thinking, working individual, and that the pitcher who conscientiously carries out his duties is a vital asset to his club.

A coach can never overemphasize these two points—a successful pitcher must always be thinking and must never be afraid of hard work.

The fielding pitcher is often the winning pitcher.



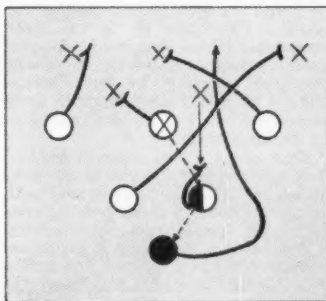
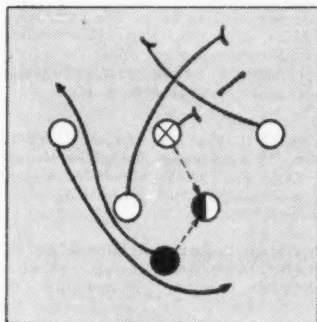
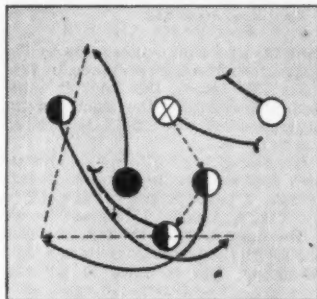
## Short Punt Patterns

(Continued from page 7)

play (Diag. 5), a reverse pitch-out (Diag. 6), and a reverse pitch-out pass (Diag. 7). These were rigged up to keep the defense off-balance and set them up for our pet play, the Sally Rand (Diag. 8). The idea was to give our tailback a murderous block on the defensive right end to soften that post while loading the right side for power.

We sometimes found it advantageous to split the backs with cross-blocks. Diag. 9 shows these assignments. We employed this effectively against a floating defensive backfield; that is, one that would shift to our running strength. We designed our plays to set up as many cross-blocks as possible.

Diagrams 7, 8, and 9



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NOW in its third edition and 14th printing, this book has sold over 50,000 copies—a phenomenal figure for a technical text. And small wonder. The book is a beauty; ideal for player and coach alike.

Coombs, the ex-big league pitching great, now coaching at Duke, covers the game from "accounting for expenditures" to "zinc stearate"; and in between you'll find nuggets of advice on every conceivable phase of the game.

The scope of the book may best be illustrated by its section headings, namely: Pitching, Catching, The Infielders' Game, First Base, Second Base, Shortstop, Third Base, The Outfielders' game, Defense Strategy, Batting, Base Running, Batting Order, Handling a Game, Scoring, Organization and Management. The Coach, and Treatment of Minor Injuries.

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- **THE OFFICIAL ENCYCLOPEDIA OF BASEBALL.** By Hy Turkin and S. C. Thompson. Pp. 620. Illustrated—photos, drawings, diagrams, and tables. New York: A. S. Barnes and Co. \$5.

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- **NATIONAL YMCA LIFESAVING AND WATER SAFETY STUDENT HANDBOOK.** Pp. 48. Illustrated—photos. New York: Association Press. 65¢.

ISSUED as a companion piece to *The Instructor's Manual* (reviewed in February 1950 issue), this booklet is designed to reinforce the teachings and suggestions of the YMCA aquatic instructor.

Illustrated with 51 cuts that interpret and explain techniques, it represents a revision of Volume III in the YMCA Aquatic Literature Series.

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Other briefer sections cover: What to do to become a YMCA lifesaver, your responsibility to the instructor, YMCA lifesaving and water safety written examination, application form for award of heroic service, hints on personal physical fitness, etc.

- **HOW TO PLAY BIG LEAGUE BASEBALL.** By 10 Big Leaguers. Edited by Malcolm Child. Pp. 182. Illustrated—photos and drawings. New York: Harcourt, Brace and Co. \$2.50.

AN ideal technical handbook for the player, coach, and fan, this text offers complete playing instructions for every position by nine famous big leaguers and a manager.

The "lineup" includes: First base by Eddie Waitkus; second base by Joe Gordon; third base by George Kell; shortstop by Phil Rizzuto; outfield by Dom DiMaggio; pitching by Harry Brecheen; catching by Roy Campanella; hitting by Enos Slaughter; team play by Andy Pafko; and managing by Eddie Sawyer.

Each phase of the game is covered interestingly, clearly, and fairly comprehensively; and supplemented with large, excellent, specially posed photos of the big leaguer doing the writing.

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bowl him over or jam him into the play.

Any attempt at a high block should be met with a shoulder dip in the same way a ball-carrier meets a tackler on the sideline. Dip the shoulder and come up under the upper part of the opponent, driving him to the outside with shoulder, forearm, and elbow. All this can be accomplished without losing sight of the play.

It is very important to meet the play in the hole and work through trouble. Never go around the hole, or you may open the gate for a stutler or cutback. Any attempt to dance, dodge or sidestep is asking for trouble. Boxing lessons are suggested for the improvement of footwork and use of the hands.

**Defense against the wide play or sweep.** Probably the biggest fault of the linebacker here is over-running the play. This creates openings for cutbacks. By using the proper angles, you can make the sideline your ally.

Move parallel to the line on wide plays, directly for the carrier; and, again, work through trouble. Drive through everybody in front of you, including your own teammates, and pile up the interferers or the runner.

On any attempted lateral, figure on outside coverage and go for the ball-carrier. You must team up

closely with your ends on these plays. The cardinal rule for corner linebackers is, never allow a runner to the outside.

**Tip-offs and pass defense.** When more than two linebackers are employed, it is a good policy for the corner backers to watch the opponents' tackles and ends, while the middle backer observes the guards and centers.

In a passing situation, watch the opposing interior linemen. Practically every coach has his linemen move upward and backward to form a cup or defense line. This is a certain signal for a pass or screen pass.

On numerous occasions, when a pass is developing, even the most experienced lineman will give the play away by not getting all the way down as he would on a running play. A quick check on starting stances may thus pay dividends.

One of the best, and most neglected, ways of handling an end moving into your territory is to "chug" (check block) him. This may be used both in zone and man-to-man defenses. It ruins spot passes

and hooks over the line and causes long passes to be overthrown. It is always smart to "chug" the ends to the inside.

Once the pass is thrown, immediately go in the direction of the ball and help make the tackle. If the pass is intercepted, block the intended receiver. In most cases, he will be the one who tackles your man.

If the opposing ends release and make no attempt to block you, the chances are that a pass is developing. However, if you notice both end and tackle releasing, expect a running play, inasmuch as linemen are not permitted to go downfield on a pass. Since release men generally try to pick up the ball-carrier, you can, by moving in that direction, wind up on the play.

Constantly watch the opposing tackle and ends for tension. If they are tense, the odds favor a running play with these men blocking the defensive tackle or linebacker. If these men appear loose, look for a pass. The tackle knows his assignment won't be too difficult, and the end, who will merely follow a pattern, has no contact worries to tighten him.

Along with the usual dips, leans, or pointing tips that many quarterbacks possess, smart linebackers will, especially against the T, observe the spin of the ball-handler. I have found through actual observation, scouting charts, and movies, that 90% or better of T plays wind up in the direction of the first spin.

In other words, if the quarterback's first spin is to the right, the play will develop in that direction. Watch your next game closely and see if this doesn't hold true.

Don't seek the same position from play to play. This affords the opponent a visual angle and facilitates his blocking. Move from your usual spot as the offense leaves the huddle. Meanwhile, observe the eyes of the ends and tackles who might be working on you.

If they don't heed your movement, their job is probably a downfield block to the other side. If your change of position upsets their actions, look for a play directly at you.

Against passing teams, study the scout reports to discern two things: Where and to whom do they like to throw? Then decide on defensive measures to the best of your personnel.

## The Art of Linebacking

(Continued from page 11)



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Line backers should stay clear of the game officials. They often are used as targets by smart passers. When needing a few yards, a shrewd passer will frequently use the official as a spot-screen, throwing to a spot directly in front of him. Position yourself as to avoid any such detriment.

Be especially watchful of an official who is slow afoot and on the aged side. In trying to protect himself, he may tip off the play. Upon hearing a pass called, for example, he may back up deeper than usual. Or, when knowing the next play will be a reverse, he often will fade to the side of the field where the play will go.

Against flat passes, don't move too swiftly to the outside. The passer might fake out there and then pass into your original zone. Smart teams throw flat passes to the outside to prevent interception. The sideline is again on your side and the halfback and safety will have time to pick up the receiver before he goes very far.

Seek depth as the pass is developing, back-pedaling evenly with the passer. You can always reach the scrimmage line as fast as he can if it is a run . . . and you have to keep your eyes on him for the angle of the pass.

Against single-swing teams, watch the blocking backs and the pulling guards and tackles. These men generally key the direction of the plays. Also keep studying the opposing center. Many of them possess a slight dip, twist or hitch just before releasing the ball.

Against single-wing especially, and also the T, practice spinning around to the outside of the attempted blocker. Since the blocker usually tries to move you away from the play, spinning to the opposite side should put you right into the play. This stunt can be mastered without too much trouble.

#### PHYSICAL REQUIREMENTS

Coaches don't have to be told what kind of boy to look for. There is the story about the coach who took his squad into a forest and set them loose. Those who ran around the trees became halfbacks, those who knocked the trees down became linemen and those who ran right through the trees became linebackers.

Linebackers must be rough and vicious—boys who enjoy running into things. At the same time, they must possess keen football minds. They must be able to diagnose plays, pick up giveaways, and anticipate play calls.

An extra hard-charging guard or blocking back will often fill the bill. One working theory I'll vouch for is this: If a boy loves to tackle and mix it up, the chances are he'll make a good linebacker. Placed in a position which offers him ample opportunity for his specialty, he'll rapidly pick up the essentials of the trade.

Once you have the proper type of boy, what is the next move? Many coaches err in trying to teach set defensive patterns before working on fundamentals. As a starter, the boy may be taught the essential protective measures. The four I would place at the head of the list are:

1. Mastery of peripheral, or "split-vision."
2. Proper use of the straight-arm.
3. Correct knee action.


4. Cooperation with other linebackers.

Let's briefly examine the above. Peripheral vision, which enables a person to observe action in front, to the sides, and slightly behind the body, is of utmost importance to a linebacker because of the numerous blocking angles to which he is exposed. Some players possess it almost as a sixth sense. Others must be made aware of its existence.

The straight-arm is a weapon that merits more extensive use, since it enables a defensive player to move laterally along the line while keeping an eye on the play and warding off attempted blocks, high or low.

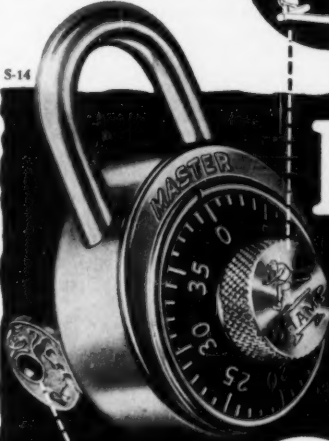
Proper knee action cannot be stressed enough. Many knee injuries are due to improper carriage of the

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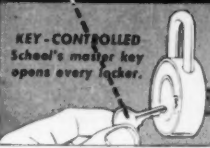


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legs. The linebacker should always establish contact with the weight on his toes and the knees under him, driving upward and hinging back.

If the leg and knee are moving in that hinged position, there will be little chance of injury. When the player exposes a long forward step with no chance of release, or is caught flat-footed, with no give of the leg, he invites injury. Proper knee action is also one of the most efficient weapons against angle blocking.

Most knee injuries, I believe, are caused by long cleats that won't give when the entire foot is solidly anchored to the ground. Coaches who fear knee injuries might try cutting down the heel cleats to the length of the stud bolt.

Although a bit off the subject, I would like to see a law passed which would prohibit any high school athlete receiving a serious knee injury, from competitive games for a six-month period. I'm certain this would prevent many recurrences of these injuries.

Each linebacker should know the strengths and weaknesses of his co-linebacker, and exactly how much ground he can cover. He should also have a precise knowledge of when his teammate will be covering the flats or other zones, and, above all, when he will shoot the gaps.

I saw a college game lost last season because both linebackers shot the seams on the same play. I subsequently discovered that a mixed signal was the cause.

**SPLIT-T FILMSTRIP**

• **THE SPLIT T OFFENSE** (Theory and Fundamentals). By Charles "Bud" Wilkinson. 48 Frames with two 12-inch 33 1/3 r.p.m. records. Norman, Okla.: W. R. Fulton, \$25.

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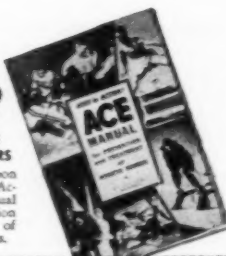
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## Tennis Town

(Continued from page 18)

regular league. We generally play 10 or 12 matches a year on a home-and-home basis. The matches are conducted according to California Interscholastic Federation rules, with nine players competing in two doubles and five singles and with each winning man scoring one point.

Though our club members are eager to play in tournaments and with other schools, we do not award letters for interscholastic competition. We prefer to "sell" our intramural program to the junior high students.

We wind up our season with a Scholastic Intramural Tournament (sponsored by *Scholastic Coach*), with the winners receiving their emblems at an all-school award assembly. We have been running these tournaments for nearly 10 years, and the interest in them has always been exceptionally keen. Beverly Baker, Allen Cleveland, Jim Read, and Jack Douglas are all former Scholastic Tournament winners.

The next link in the Santa Monica tennis chain is the High school. As at Lincoln, Santa Monica High maintains a tennis ladder and requires matches to be played every week throughout the year.

The boys on the tennis squad are assigned to the sixth period gym class—the last period of the day—and practice tennis for one or two hours every day.

Santa Monica High School also sponsors the famous Annual Dudley Cup Tournament during Easter Week. Open to high school boys and girls, and to boys and girls 15 and under, this tournament has attracted the likes of John Doeg, Gene Mako, Bobby Riggs, Jack Kramer, Ted Olewine, Budge Patty, and others.

Santa Monica junior and senior high school players who could do well in national tournaments this year include:

1. Allen Cleveland, national boys doubles champion in 1948 and national public parks junior singles winner in 1949;
2. Jim Read, national public parks junior singles winner in 1950;
3. Jack Douglas, whom Hamilton Chambers, teen-age correspondent for *American Lawn Tennis*, picks to win the national boys title this year;
4. Ronnie Schoenberg, Southern California 13-and-under champion;
5. Anita Kanter, UCLA freshman, who is ranked third in the 18-and-under girls division in Southern California.



"Sprig" Gardner, who coached the Bellmore (NY) High School wrestling teams to a record 100 CONSECUTIVE VICTORIES, says "I like and recommend

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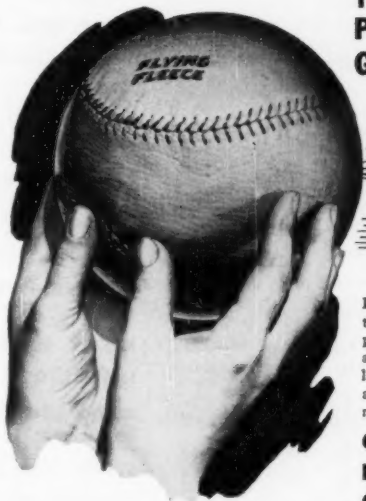
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# Pick Your Coach and Coaching School

Use this guide to locate the schools at which your favorite college coaches will lecture. Complete information on these schools may be gleaned from the School Directory on pages 43-46.

## Football

- AIKEN, JIM**, Oregon—Oregon U. (adv. on p. 57, April).
- BRYANT, PAUL**, Kentucky—Normal-Western, Ohio Football (adv. on p. 43), Texas Coaches (adv. on p. 46), So. Illinois U., Virginia St. Coll.
- BUTTS, WALLY**, Georgia—So. Carolina Coaches (adv. on p. 45).
- CALDWELL, CHARLIE**, Princeton—Eastern Penna. Coaches (adv. on p. 43), Indiana Ath. Assn. (adv. on p. 46), Ohio Football (adv. on p. 43).
- CASANOVA, LEN**, Pittsburgh—Edinboro.
- DREW, RED**, Alabama—Nebraska, Alabama U.
- ELIOT, RAY**, Illinois—Oregon U. (adv. on p. 57, April), Colorado Coaches (adv. on p. 43), Wisconsin St.
- ENGLE, RIP**, Penn State—Eastern Penna. Coaches (adv. on p. 43), Penn St. (adv. on p. 57, April), West Central Penna. Coaches (adv. on p. 46).
- FAUROT, DON**, Missouri—Louisiana Coaches, Wisconsin Coaches (adv. on p. 45).
- GILLMAN, SID**, Cincinnati—Edinboro, Ohio Football (adv. on p. 43).
- GLASSFORD, BILL**, Nebraska—Alabama U., Nebraska.
- GUSTAFSON, ANDY**, Miami—Florida A. & M.
- HAYES, WOODY**, Ohio State—Ohio Football (adv. on p. 43).
- HOWARD, FRANK**, Clemson—Georgia Coaches, Louisiana Coaches, Texas Coaches (adv. on p. 46), So. Carolina Coaches (adv. on p. 45).
- NEYLAND, BOB**, Tennessee—Maryland U. (adv. on p. 45).
- ODELL, HOWIE**, Washington—Stanford U.
- OOSTERBAAN, BENNIE**, Michigan—Michigan U. (adv. on p. 44).
- SAUER, GEORGE**, Baylor—Baylor U.
- SNARELY, CARL**, No. Carolina—No. Carolina U., Washington Coaches (adv. on p. 46).
- TATUM, JIM**, Maryland—Maryland U. (adv. on p. 45).
- TAYLOR, CHUCK**, Stanford—Stanford U.
- TINSLEY, GAYNELL**, Louisiana State—Louisiana Coaches.
- WALDORF, LYNN**, California—Colorado U., Utah Coaches.
- WATTERS, LEN**, Williams—Springfield Coll. (adv. on p. 45).
- WILLIAMSON, IVY**, Wisconsin—Wisconsin Coaches (adv. on p. 45).
- WOLF, BEAR**, Tulane—Oklahoma Coaches.
- WYATT, BOWDEN**, Wyoming—Montana U., Utah St. Agric.

## Basketball

- ALLEN, PHOG**, Kansas—Kansas U.
- ANDERSON, FORDDY**, Bradley—Texas Coaches (adv. on p. 46), Washington Coaches (adv. on p. 46), So. Illinois U., N. Y. Basketball (adv. on p. 44).
- BRADLEY, HAL**, Duke—N. Y. Basketball (adv. on p. 44).
- BEE, CLAIR**, I.I.U.—Eastern Basketball (adv. on p. 43).
- CASE, EV**, No. Carolina St.—Eastern Basketball (adv. on p. 43), Eastern Penna. Coaches (adv. on p. 43), Indiana Basketball, Virginia St. Coll.
- DEAN, EVERETT**, Stanford—Springfield Coll. (adv. on p. 45).
- DYE, TIPPY**, Washington—Oregon U. (adv. on p. 57, April).
- FOSTER, BUD**, Wisconsin—Wisconsin Coaches (adv. on p. 45).
- FREIL, JACK**, Washington St.—Montana U.
- GARDNER, JACK**, Kansas St.—Colorado Coaches (adv. on p. 43), Wisconsin Coaches (adv. on p. 45).
- IBA, HANK**, Oklahoma A. & M.—Colby Coll. (adv. on p. 46), Idaho Coaches, Indiana Ath. Assn. (adv. on p. 46), Utah Coaches.
- LEE, BEBE**, Colorado—Colorado U.
- LOEFFLER, KEN**, La Salle—Eastern Basketball (adv. on p. 43).
- MCCOY, ERNIE**, Michigan—Michigan U. (adv. on p. 44).
- NEWELL, PETE**, Michigan St.—Normal-Western.
- RUPP, ADOLPH**, Kentucky—So. Carolina Coaches (adv. on p. 45), Nebraska, Wisconsin St.
- SCOTT, TOM**, No. Carolina—No. Carolina U.
- WARREN, JOHN**, Oregon—Oregon U. (adv. on p. 57, April), Utah St. Agric.
- WELLS, CLIFF**, Tulane—Georgia Coaches, Indiana Basketball, Texas Coaches (adv. on p. 46).
- WOODEN, JOHN**, U.C.L.A.—Calif. St. Poly., Utah St. Agric.



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**BAYLOR UNIV.**—Waco, Tex. June 4-July 13, July 16-Aug. 23 (Saturday courses). Lloyd Russell, director. Courses: Football, Baseball, Basketball, Basketball Officiating. Staff: George Sauer and Staff, Lloyd Russell, Bill Menefee. Tuition: Graduate course fees.

**CALIFORNIA ST. POLYTECHNIC COLLEGE**—San Luis Obispo, Calif. Aug. 6-17. William Lopez, director, Los Angeles City Schools, 451 So. Hill St., Los Angeles. Courses: Football, Basketball, Track, Baseball, Intramurals. Staff: Gordon Oliver, John Wooden, Brutus Hamilton, Robert Mott, others. Tuition: \$16 (extra fee for out-of-state coaches).

**COLBY COLLEGE**—Waterville, Me. June 14-16. Ellsworth W. Millett, director. Courses: Football, Basketball. Staff: Hank Iba, Clarence E. Boston. Tuition: \$17.50 (includes banquet). See adv. on page 46.

**COLORADO COACHES ASSN.**—Denver, Colo. Aug. 21-24. N. C. Norris, director, 1532 Madison, Denver. Courses: Football, Basketball, Wrestling, Baseball, Track, Rules. Staff: Ray Eliot, Jack Gardner, others. Tuition: \$5, state coaches; \$10, others. See adv. on page 43.

**COLORADO UNIV.**—Boulder, Colo. June 18-July 20. Harry G. Carlson, director. Courses: Football, Basketball, Track, Baseball, Training. Staff: Lynn Waldorf, Dallas Ward, Bebe Lee, Frank Potts, Frank Prentup, Aubrey Allen. Tuition: \$10 (June 18-23 intensive coaching courses); \$23 (June 18-July 20), resident; \$56, non-resident.

**CONNECTICUT UNIV.**—Storrs, Conn. Aug. 20-23. J. O. Christian, director. Courses: All Major Sports, Minor Sports. Staff: To be announced. Tuition: \$10 plus room and board. (Members of C.I.A.C. will have all expenses over \$10 defrayed.)

**EASTERN BASKETBALL CLINIC**—Woodridge, N. Y. June 26-29. Clair Bee, director, c/o Publicity Enterprises, 8020 Empire State Bldg., New York 1, N. Y. Staff: Clair Bee, Everett Case, Ken Loeffler, Eddie Gottlieb, Chick Davies. Tuition: \$40 (includes room and board). See adv. on page 43.

**EASTERN PENNA. COACHES ASSN.**—East Stroudsburg, Pa. June 18-22. Marty Baldwin, director, Box 109, Stroudsburg, Pa. Courses: Football, Basketball, Wrestling, Training. Staff: Charley Caldwell, Peahead Walker, Rip Engle, Sever Toretti, Ev Case, Charley Speidel, Tom Floyd. Tuition: \$35, state coaches; \$38, others (includes room and board). See adv. on page 43.

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## COACHING SCHOOL DIRECTORY

**EDINBORO COACHING SCHOOL**—Edinboro, Pa. Aug. 7-10. Jim Hyde, director, Academy H.S., Erie, Pa. Course: Football. Staff: Sid Gillman, Joe Bach, Dick Coleman, Len Casanova, Jack Roche, Bob Timmons. Tuition: \$16, members Northwestern Pa. Coaches Assn.; \$21, others. Caldwell, Hank Iba, others. Tuition: \$1, state coaches; \$10, others. See adv. on page 46.

**FLORIDA A. & M. COLLEGE**—Tallahassee, Fla. June 18-23. Jake Gaither, director. Courses: Football, Basketball. Staff: Eddie Hurt, Chuck Mathers, Andy Gustafson, others. Tuition: \$20 (includes room and board).

**GEORGIA COACHES ASSN.**—Atlanta, Ga. Aug. 13-18. Dwight Keith, director, 115 Walton St. N.W., Atlanta. Courses: Football, Basketball, Track, Training. Staff: Frank Howard, Bob Woodruff, Cliff Wells, others. Tuition: Free, members G.A.C.A.; \$10, basketball; \$10, football; \$15, both (non-members).

**IDAHO COACHES ASSN.**—Boise, Ida. July 29-Aug. 3. Jerry Dellinger, director, Jerome (Ida.) H.S. Courses: Football, Basketball, Track, Training. Staff: Hank Iba, N.Y. Yankee Staff, Stan Heiserman, others. Tuition: \$15.

**INDIANA ATHLETIC ASSN.**—West Lafayette, Ind. Aug. 6-9. L. V. Phillips, director, 812 Circle Tower, Indianapolis. Courses: Football, Basketball, Track. Staff: Charley Caldwell, Hank Iba, others. Tuition: \$1, state coaches; \$10, others. See adv. on page 46.

**INDIANA BASKETBALL**—Logansport, Ind. July 23-25. Cliff Wells, director, Box 83, Tulane Univ., New Orleans, La. Course:

**KANSAS COACHING SCHOOL**—Topeka, Kan. Aug. 20-24. E. A. Thomas, director, 306 New England Bldg., Topeka. Courses: Football, Basketball, Six-Man Football, Training. Staff: To be announced. Tuition: \$10.

**KANSAS UNIV.**—Lawrence, Kan. June 7-Aug. 4. Henry A. Shenk, director. Courses: Advanced Football, Advanced Basketball, Training, Physical Education. Staff: J. V. Sikes, Phog Allen, Henry A. Shenk, Reginald R. Strait. Tuition: Regular summer session fees.

**LOUISIANA COACHES ASSN.**—Baton Rouge, La. June 6-8. Woodrow W. Turner, director, 333 Wall St., Columbia, La. Courses: Football, Basketball. Staff: Frank Howard, Don Faurst, Tom Haggerty, Gaynell Tinsley and Staff. Tuition: \$3.

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**MARYLAND UNIV.**—College Park, Md. June 8-9. Jim Tatum, director, P. O. Box 295, College Park. Courses: Football, Basketball. Staff: Bob Neyland, Jim Tatum and Staff, Bud Millikan. Tuition: \$10 (includes room). See adv. on page 45.

**MICHIGAN UNIV. PRACTICUM**—Ann Arbor, Mich. June 25-July 6 (Coaching), June 25-July 6 (Elementary School Physical Education), July 9-20 (Safety Education). Conducted by Office of the Summer Session. Courses: Football, Basketball, Track, Golf, Tennis, Wrestling, Gymnastics, Physical Education, Administration, Training. Staff: Bennie Oosterbaan, Ernie McCoy, Don Canham, Albert Katzenmeyer, others. Tuition: Regular school fees. See adv. on page 44.

**MONTANA UNIV.**—Missoula, Mont. July 23-27. C. W. Hubbard, director. Courses: Football, Basketball, Track. Staff: Bowden Wyatt, Jack Freil, Harry Adams. Tuition: \$10.

**NEBRASKA COACHES**—Lincoln, Neb. Aug. 13-16. O. L. Webb, director, Box 1028, Lincoln. Courses: Football, Basketball, Six-Man Football. Staff: Red Drew, Bill Glassford, Adolph Rupp, Harry Good, Ray Duncan.

**NEW YORK BASKETBALL SCHOOL**—Huntington, N. Y. Aug. 22-24. John E. Sipo, director, R. L. Simpson H.S., Huntington, L. I., N. Y. Staff: Farddy Anderson, Hal Bradley, Art Beckner. Tuition: \$10. See adv. on page 44.

**NEW YORK STATE**—Hamilton, N. Y. Aug. 20-25. Philip S. Hammes, director, Proctor H. S., Utica, N. Y. Courses: Football, Basketball, Baseball, Track, Six-Man Football, Soccer, Tennis, Golf. Staff: To be announced. Tuition: \$40 (includes room and board). See adv. on page 46.

**NORMAL-WESTERN COACHING SCHOOL**—Normal, Ill. June 12-13. Howard J. Hancock, Illinois St. Normal Univ., Normal, Ill. Courses: Football, Basketball, Baseball, Track. Staff: Paul Bryant, Pete Newell, others. Tuition: Free.

**NORTH CAROLINA UNIV.**—Chapel Hill, N. C. July 30-Aug. 3. Tom Scott, director. Courses: Football, Basketball, Baseball, Track, Training. Staff: Carl Snaveley, Tom Scott, Bob Fetzer, Fitz Lutz, Bunn Hearn. Tuition: Free.

**NORTH DAKOTA UNIV.**—Grand Forks, N. D. Aug. 16-18. Glenn L. Jarrett, director. Courses: Football, Six-Man Football. Staff: Frank Zazula, Bill Richter, others. Tuition: \$5.

**NORTHERN MICHIGAN COLLEGE**—Marquette, Mich. Aug. 6-8. C. V. "Red" Money, director. Courses: Football, Basketball, Training, Officiating, Organization. Staff: To be announced.

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**OKLAHOMA COACHES ASSN.**—Oklahoma City, Okla. Aug. 13-17. Clarence Breithaupt, director, 3420 N.W. 19, Oklahoma City. Courses: Football, Basketball. Staff: Bear Wolf, Murray Warmath, others. Tuition: \$5.

**OREGON UNIV.**—Eugene, Ore. July 9-20. Dean P. B. Jacobson, director, School of Education, Dept. R, U. of Oregon, Eugene. Courses: Football, Basketball, Baseball, Track. Staff: Ray Eliot, Jim Aiken, Tippy Dye, John Warren, Don Kirsch, Bill Bowerman. See adv. on page 57, April issue.

**PENN STATE COLLEGE**—State College, Pa. June 12-29 (Inter-Session), July 2-Aug. 11 (Main Summer Session), Aug. 13-31 (Post-Session). Director of Summer Sessions, Room 104-A Burrowes Bldg. Courses: Health Education, Physical Education, Athletics, Recreation. Staff: University Coaches and Faculty. Tuition: Regular Summer Session fees. See adv. on page 57, April issue.

**SOUTH CAROLINA COACHES**—Columbia, S. C. Aug. 5-10. Harry H. Hedgepath, director, 1623 Harrington St., Newberry, S. C. Courses: Football, Basketball. Staff: Frank Howard, Wally Butts, Adolph Rupp. Tuition: \$7.50, members; \$15, non-members. See adv. on page 45.

**SOUTH DAKOTA ATHLETIC ASSN.**—Huron, S. D. Aug. 14-17. R. M. Walseth, director, Box 203, Pierre, S. D. Courses: Football, Basketball, Six-Man Football, Training. Staff: To be announced. Tuition: Free.

**SOUTHERN ATHLETIC TRAINERS**—Knoxville, Tenn. May 24-26. A. W. Hobt, director. Course: Training. Staff: Hugh Burns, E. R. Briggs, Buck Andel, Kenny Howard, Joe L. Worden, Mickey O'Brien.

**SOUTHERN ILLINOIS UNIV.**—Carbondale, Ill. Aug. 20-22. Glenn "Abe" Martin, director. Courses: Football, Basketball. Staff: Paul Bryant, Fordy Anderson. Tuition: Free.

**SPRINGFIELD COLLEGE**—Springfield, Mass. July 9-Aug. 11. Dr. Raymond G. Drewry, director, 263 Alden St., Springfield. Courses: Beginning and Advanced Football, Basketball, Track (30 periods each). Staff: Leonard Watters, Everett Dean, Carl Olson. Tuition: \$13.50 per semester hour (each course is two semester hours). See adv. on page 45.

**TEXAS COACHES ASSN.**—San Antonio, Tex. July 30-Aug. 4. L. W. McConachie, director, 2901 Copper St., El Paso, Tex. Courses: Football, Basketball, Track, Baseball, Training. Staff: Paul Bryant, Frank Howard, Cliff Wells, Fordy Anderson, Frank Anderson, Alex Hooks, Eddie Wojacki, others. Tuition: \$12, members; \$15, non-members; \$15, college coaches. See adv. on page 46.

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UTAH COACHES ASSN.—Salt Lake City, Utah. Aug. 13-18. Lee Liston, director, Davis H.S., Kaysville, Utah. Courses: Football, Basketball. Staff: Lynn Waldorf, Rusty Russell, Hank Iba. Tuition: \$10, resident; \$15, non-resident.

UTAH ST. AGRICULTURAL COLLEGE—Logan, Utah. June 5-9. John Roning, director. Courses: Football, Basketball. Staff: Bowden Wyatt, John Wooden. Tuition: \$10.

VIRGINIA H. S. LEAGUE—Charlottesville, Va. Aug. 16-18 (tentative). Howard R. Richardson, director, Box 1487, University Station, Charlottesville. Courses, Staff, Tuition: To be announced.

VIRGINIA ST. COLLEGE—Petersburg, Va. July 16-21. Sal Hall, director. Courses: Football, Basketball. Staff: Paul Bryant, Ev Case, Dick Coleman. Tuition: \$12 plus \$3 per day for room and board, if desired.

WASHINGTON COACHES ASSN.—Seattle, Wash. Aug. 6-11. A. J. Lindquist, director, 3215 E. Mercer, Seattle 2. Courses: Football, Basketball, Baseball. Staff: Carl Snavely, Forddy Anderson, Joe Devine. Tuition: Free, members; \$10, others. See adv. on page 46.

WEST CENTRAL PENNA. COACHES ASSN.—Johnstown, Pa. Aug. 8-10. E. Clark Shaffer, director, Johnstown (Pa.) H.S. Courses: Football (T, Wing T, Single Wing), Training. Staff: Rip Engle, Chuck Medlar, Jud Timm, John R. Stieglman. Tuition: \$15. See adv. on page 46.

WISCONSIN COACHES ASSN.—Madison, Wis. Aug. 13-17. Harold A. Metzner, director, 1809 Madison St., Madison. Courses: Football, Basketball, Baseball, Track, Wrestling, Boxing. Staff: Don Faurot, Ivy Williamson and Staff, Bud Foster, Jack Gardner. Tuition: \$5, members; \$10, others. See adv. on page 45.

WISCONSIN ST. COLLEGE—River Falls, Wis. June 14-16. George K. Schlagenhauf, director. Courses: Football, Basketball. Staff: Ray Eliot, Adolph Rupp. Tuition: \$10.

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- Further information on
  - ☐ Colorado Coaches (43)
  - ☐ Colby Coll. (46)
  - ☐ Eastern Basketball (43)
  - ☐ Eastern Penna. (43)
  - ☐ Indiana Ath. Assn. (46)
  - ☐ Maryland U. (45)
  - ☐ Michigan U. (44)
  - ☐ N. Y. Basketball (44)
  - ☐ N. Y. State (46)
  - ☐ Ohio Football (43)
  - ☐ So. Carolina H. S. (45)
  - ☐ Springfield Coll. (45)
  - ☐ Texas Coaches (46)
  - ☐ Washington Coaches (46)
  - ☐ W. Central Penna. (46)
  - ☐ Wisconsin Coaches (45)

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## ADVERTISERS' INDEX

AMERICAN HAIR & FELT COMPANY	35
AMERICAN RACQUET COMPANY	48
AMERICAN WIRE FORM COMPANY	46
BECTON, DICKINSON & COMPANY	40, 46
BIKE WEB COMPANY, THE	3rd Cover
BRISTOL MANUFACTURING CORP.	29
BROOKS SHOE MANUFACTURING COMPANY	4
CEDAR KRAFT COMPANY	48
COLBY COLLEGE COACHING SCHOOL	46
COLORADO HIGH SCHOOL COACHING SCHOOL	43
CONSOLIDATED CHEMICAL LABORATORIES	37
COURTLEY, LTD.	31
DAYTON RACQUET COMPANY	40
DUCOMMUN, M., COMPANY	22
DUNLOP TIRE & RUBBER CORPORATION	28
EASTERN BASKETBALL CLINIC	43
EASTERN PENNSYLVANIA COACHES ASSN.	43
EVLERT SPORTING GOODS	40
FULTON, W. R.	40
GENERAL SPORTCRAFT COMPANY	2
H. & R. MANUFACTURING COMPANY	35
HILLERICH & BRADSBY COMPANY	17
HILLYARD SALES COMPANIES	34
HODGMAN RUBBER COMPANY	33
HORN BROTHERS COMPANY	21
HUSSEY MANUFACTURING COMPANY	28
INDIANA HIGH SCHOOL ATHLETIC ASSN.	46
IVORY SYSTEM	4th Cover
LINEN THREAD COMPANY	2nd Cover
MacGREGOR-GOLDSMITH, INC.	27
McARTHUR, GEORGE, & SONS	38
McKESSON & ROBBINS, INC.	19
McLAUGHLIN-MILLARD, INC.	40
MARBA, INC.	16
MARYLAND UNIVERSITY COACHING SCHOOL	45
MASTER LOCK COMPANY	39
MIEDART, FRED, PRODUCTS, INC.	25
MICHIGAN UNIVERSITY PRACTICUM	44
MOSBY, C. V., COMPANY	37
NATIONAL SPORTS EQUIPMENT COMPANY	22
NEW YORK BASKETBALL COACHING SCHOOL	44
NEW YORK STATE COACHING SCHOOL	46
NISSEN TRAMPOLINE, THE	32
O-C MANUFACTURING COMPANY	47
OHIO HIGH SCHOOL COACHING SCHOOL	43
OREGON WORSTED COMPANY	41
PENNSYLVANIA RUBBER COMPANY	23
PREMIER ATHLETIC PRODUCTS CORP.	41
PRENTICE HALL, INC.	36
RAWLINGS MANUFACTURING COMPANY	3
RIDDELL, JOHN T., INC.	15
SAGA PRESS, INC.	36
SMITH, RICHARD, CORP.	35
SOUTH CAROLINA ATHLETIC COACHES ASSN.	45
SPALDING, A. G., & BROS.	1
SPRINGFIELD COLLEGE COACHING COURSES	45
STATE SPORTING GOODS COMPANY	40
TEXAS HIGH SCHOOL COACHES ASSOCIATION	46
WASHINGTON HIGH SCHOOL COACHES CLINIC	46
WEST CENTRAL PENNA. COACHES ASSN.	46
WILSON SPORTING GOODS COMPANY	6
WISCONSIN HIGH SCHOOL COACHES ASSN.	45

## MASTER COUPON

(See page 47 for other listings)  
(Numbers in parentheses denote page  
on which advertisement may be found)

### HILLYARD SALES (34)

- ☐ Gym Maintenance Card

### HODGMAN RUBBER (33)

- ☐ Catalog on Reducing  
Shirts and Warm-Up  
Jackets

### HORN BROS. (21)

- ☐ Catalogs on Folding  
Partitions and Bleachers  
☐ Details on Folding Stages

### HUSSEY MFG. CO. (28)

- ☐ Catalog on Steel  
Portable Bleachers  
☐ Water Sports Equipment  
Catalog

### LINEN THREAD

(Inside Front Cover)

- ☐ Full information on  
Gold Medal Nets

### MARBA, INC. (16)

- ☐ Information on Athletic  
Equipment Reconditioning

### MASTER LOCK (39)

- ☐ Catalog of Key-Con-  
trolled Combination Locks  
and Other Padlocks

### MEDART PRODUCTS (25)

- ☐ Catalog of Gymnasium  
Apparatus  
☐ Catalog on Telescopic  
Gym Seats, Steel Lockers  
☐ Catalog on Basketball  
Backstops, Scoreboards

### McARTHUR & SONS (38)

- ☐ Information on School  
Towel Plan

### McKESSON & ROBBINS (19)

- ☐ Free Jar of Surin for  
Relief of Superficial  
Aches, Pains, and Local  
Congestion

### McLAUGHLIN-MILLARD (40)

- ☐ Booklet, "Baseball  
Strategy" by Hal  
Schumacher  
☐ Full Color Catalog of  
Adirondack Bats

### MOSBY, C. V. (37)

- ☐ List of Sports Books

### NATIONAL SPORTS (22)

- ☐ Catalogs: Bases, Mats,  
Rings, Training Bags,  
Wall Pads, Pad Covers

### NISSEN TRAMPOLINE (32)

- ☐ Booklet, "Tips on  
Trampolining"

### O-C MFG. (47)

- ☐ Catalog of Olympic  
Champion Supporters

### OREGON WORSTED (41)

- ☐ Information on Flying  
Fleece Recreation Balls  
and Light Medicine Ball

### PENNSYLVANIA RUBBER (23)

- ☐ Catalog of Super-Felt  
Tennis Balls  
☐ Catalog of Pennbilt  
Football and Basketball

### POSTUM

- ☐ 20 Introductory Samples  
of Postum for Athletes

### PREMIER ATHLETIC PRODUCTS (41)

- ☐ Catalog and Sample  
Swatch of Plastic  
Wrestling Mat Covering

### RAWLINGS MFG. (3)

- ☐ Catalog

### RIDDELL, JOHN T. (15)

- ☐ Information on Suspen-  
sion Helmets, Shoes,  
Balls, Track Supplies

### SAGA PRESS (36)

- ☐ Information on Book,  
"Football for All" by  
Dr. Harold J. Parker

### SMITH, RICHARD (35)

- ☐ Catalog of T Shirts,  
Gym Uniforms  
☐ Illustrated Sportswear  
Catalog

### SPALDING & BROS. (1)

- ☐ Catalog  
☐ Sports Show Book

### STATE SPTG. GOODS (40)

- ☐ Catalog of Trophies

### WILSON (6)

- ☐ Catalog

NAME \_\_\_\_\_ POSITION \_\_\_\_\_

(Principal, coach, athletic director, physical director)

SCHOOL \_\_\_\_\_ ENROLLMENT \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

No coupon honored unless position is stated May, 1951



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when the going's tough

# BIKE<sup>®</sup>



BIKE Strap Supporter with woven all-elastic pouch for extra-firm support. Unusually comfortable, roomy and free from binding. 3" form-fit waistband, 1/4" leg bands.



There's a BIKE designed for every sport... designed, in fact, with your help... because for years coaches, athletes and trainers have worked with BIKE to provide trusted protection.

That's one good reason more athletes wear BIKE than any other brand. And it's a good reason to give YOUR athletes the trusted, proved protection BIKE Athletic Supporters provide.



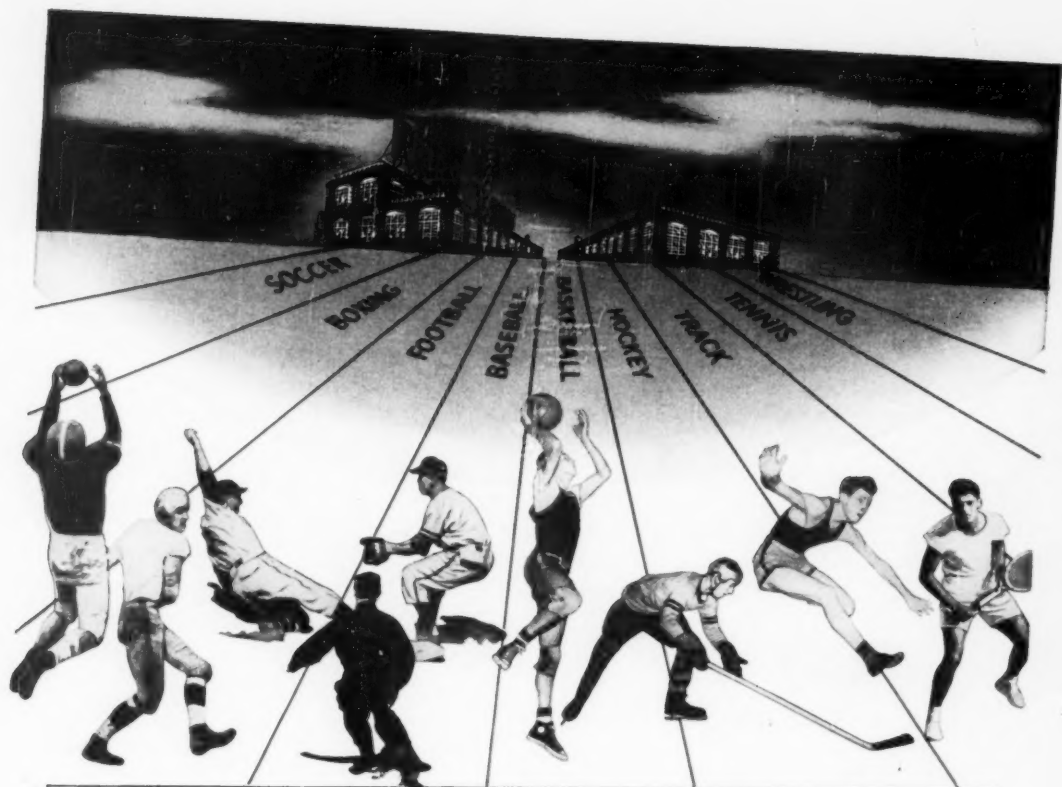
Active, grueling sports like baseball... all sports... call for the dependable protection of BIKE Supporters.

More athletes  
wear BIKE than  
any other brand



**THE BIKE WEB COMPANY**  
2500 S. Dearborn Street, Chicago 16





## WE'LL BE IN THERE PITCHING

Our representatives will be out on the road during and at the end of the Baseball Season. They have all been instructed to spare no expense in giving fast service — wherever baseball equipment needs attention during the playing season.

We have impressed on our employees the necessity of making it possible for schools and colleges to keep on playing baseball — and are

assured of their wholehearted support. Even now we have a crew working nights — reconditioning late arrival items.

At the end of the season we will be all set to store your equipment under ideal conditions — fully insured — and hold it for you for as long as you wish. If war conditions interfere with your future schedules — we'll continue to store your equipment.

*The Ivory System is in a Class by Itself!*



PEABODY, MASSACHUSETTS



RECONDITIONERS OF  
ATHLETIC EQUIPMENT